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OFF-SEASON EVALUATION OF ASCOCHYTA BLIGHT REACTION IN CHICKPEA

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Off-season evaluation of ascochyta blight reaction in chickpea

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(a) Abstract/Summary

A research project was conducted beginning in 2001 between the Crop Development Centre (CDC), University of Saskatchewan and the International Centre for Agricultural Research in the Dry Areas (ICARDA) for the development of chickpea cultivars with improved resistance to ascochyta blight. CDC germplasm was evaluated for ascochyta blight reaction under high disease pressure in Syria on an annual basis, allowing the identification of lines with improved resistance, and the discard of susceptible lines, thus increasing the efficiency of the CDC breeding program.

(b) Executive Summary

Ascochyta blight is the key disease of chickpea in North America, west Asia, North Africa, and the northern portion of the Indian subcontinent. High levels of resistance have not been identified by international researchers; however, sources of moderate resistance are being utilized. Most breeding strategies internationally are focussing on pyramiding genes that deliver moderate levels of resistance with the aim of increasing the level and durability of resistance.

For the past 30 years or so, the International Centre for Agricultural Research in the Dry Areas (ICARDA) has operated a chickpea breeding program with major focus on developing adapted kabuli chickpea cultivars for western Asia and North Africa. A key goal has been the improvement of disease resistance, in particular, resistance to ascochyta blight and Fusarium wilt. ICARDA operates the largest ascochyta blight nursery in the world. This nursery is inoculated multiple times annually and is mist irrigated to optimize disease development. On an annual basis, ICARDA prepares chickpea breeding trials which include promising breeding lines for distribution to international collaborators. The CDC program in Saskatoon has been evaluating these ICARDA trials on an annual basis for the past decade.

Since ascochyta blight is one of two key limitations to chickpea production in western Canada (the other being late maturity), the goal of this research project was to intensify the CDC/ICARDA collaboration on improvement of ascochyta blight resistance. The primary objective of this project was to utilize an off-season nursery at ICARDA to evaluate the ascochyta blight reaction of CDC breeding lines in a systematic manner.

Chickpea F4 breeding lines from the CDC were increased in a disease-free, quarantine nursery in Syria from January to June of each season. In the following November to June season, the resulting F5 lines were evaluated in an irrigated, inoculated ascochyta blight nursery at ICARDA. Data were utilized to identify lines with improved levels of ascochyta blight resistance. In addition, Dr. Malhotra (senior chickpea breeder at ICARDA) evaluated the CDC lines in a separate Fusarium wilt nursery on an annual basis. He also re-tested promising CDC lines in the ascochyta and Fusarium nurseries in subsequent seasons to confirm their reactions.

The CDC/ICARDA collaboration on improving disease resistance in chickpea enhanced the ability of the CDC chickpea breeding program to deliver varieties with improved ascochyta resistance to the Saskatchewan industry. Additional benefits arising from this project were the assessment of CDC lines for Fusarium wilt reaction, and a strengthening of the long-term collaboration between CDC and ICARDA. The project fulfilled its objectives.

(c) Technical Report

Background:
Chickpea is a high value pulse crop, with good potential for production in the Brown and Dark Brown soil zones of western Canada. Ascochyta blight is the key disease of chickpea in western Canada. Disease severity is increased by wet weather conditions. Varieties differ in their levels of resistance; however, no varieties are immune. Kabuli variety CDC Frontier was released in 2003 and is rated as having 'fair' resistance to ascochyta blight. Most advanced breeding lines in the CDC program now have resistance levels similar to CDC Frontier. This is a significant improvement compared to Sanford, which was the commercial standard variety at the initiation of this project and is rated as having 'very poor' resistance. For the survival of chickpea as an economically viable crop in Saskatchewan, it was imperative that a concerted effort was made to select for higher levels of ascochyta blight resistance. Selection for resistance during the growing season in Saskatoon is possible in seasons with average weather conditions; however, disease development is not sufficient in dry seasons, such as 2001 and 2003, to adequately select lines with high levels of resistance. Irrigation capacity for the CDC pulse crop breeding program has been very limited to date. In addition, in years with above average rainfall, disease pressure may be too high for optimum selection efficiency. Very high disease pressure in the Saskatoon nursery may eliminate lines that have moderate levels of resistance, adequate for the Brown soil zone. Thus, missing a year of selection is very costly, since it either results in susceptible lines cluttering the breeding program only to be removed at a later date, or in elimination of moderately resistant lines.

Chickpea is a crop that has been grown for millennia in Syria and neighboring countries. Aggressive isolates of ascochyta blight are prevalent in Syria. The ICARDA breeding program has been actively selecting for ascochyta blight resistance in chickpea for decades, and operates the largest ascochyta nursery in the world. Evaluation of CDC germplasm for ascochyta reaction in Syria allows us to make knowledgeable decisions on

which lines to advance and which to discard, thus focusing our limited resources on the most promising lines.

Project Objectives:

1. To utilize an off-season nursery to evaluate ascochyta blight reaction in segregating populations in the CDC chickpea breeding program.

2. To enhance the long-term collaboration between the CDC and ICARDA chickpea breeding programs.

Materials and Methods

The CDC chickpea breeding program utilizes an F2-derived family method; i.e., single plants are selected in F2 nurseries and advanced as families. Replicated yield testing begins in the F4 generation, followed by multi-location yield trials of advanced lines in the F5 generation. Approximately 10,000 F2-derived F3 lines are evaluated annually as single replicate microplots in Saskatoon. Microplots are selected based on maturity, disease resistance, and yield potential.

In this research project, an F4 subsample (50 seeds) of each of approximately 1500 harvested microplots was sent from the CDC to ICARDA for evaluation. Short row plots were initially grown under disease-free, quarantine conditions from January to June to meet the Syrian government regulations. Harvested seeds were then evaluated in the ICARDA irrigated, inoculated ascochyta nursery the following season (November to June). The ascochyta blight pathogen population structure in Syria consists of moderately aggressive (Pathotype 1 and 2) and highly aggressive (Pathotype 3) isolates. The CDC germplasm was exposed to a mixture of these three isolates.

Results and Discussion

Objective 1. To utilize an off-season nursery to evaluate ascochyta blight reaction in segregating populations in the CDC chickpea breeding program.

2001 Samples

Approximately 1500 CDC chickpea seed samples were shipped to ICARDA in December 2001 for planting under quarantine in January 2002. These consisted of F4 lines from 73 crosses, including both kabuli and desi market classes. Check varieties consisting of the 24 entries in the 2001 Saskatchewan chickpea regional trials were included as three replications in the nursery. The 1500 lines were successfully harvested in June 2002. The resulting F5 lines were planted in November 2002 in the irrigated, ascochyta-inoculated nursery at ICARDA. Final ascochyta blight severity ratings were reported in our 2003 annual report to ADF. In general, the Canadian check varieties performed in a similar manner compared to their reaction in Saskatchewan. For example, varieties which are rated 'very poor' in Canada such as Sanford, Evans and CDC Xena rated 8-9 (on the 1=no disease, 9=highly diseased scale) in the ICARDA nursery. Varieties which are rated 'fair' in Canada such as Amit, Myles, CDC Desiray, CDC Anna, CDC Nika,

CDC Frontier, and CDC Cabri rated 3-6 in the ICARDA nursery. This information was added to the CDC database for these breeding lines and was utilized in the decision-making process of which lines to advance in the program. **Three breeding lines evaluated in the 2001 set of samples were 92073-40, which was later released as the desi cultivar CDC Cabri, 92060-11, which was later released as the kabuli cultivar CDC ChiChi, and 95NN-29, which was later released as the kabuli cultivar CDC Frontier.**

In addition, these F5 lines were also planted in the ICARDA Fusarium wilt nursery in February 2003. This soil-borne disease is currently not a major problem in Canada; however, it is important in the Middle East and India. This component of the project was conducted with no additional cost to the CDC or ADF. Fusarium wilt scores were summarized in our 2003 report to ADF. Interestingly, most desi varieties and breeding lines from Canada had 0% plants killed by Fusarium wilt, while the kabuli varieties ranged from resistant to susceptible. These data were also added to the CDC database and were considered as 'additional information' in deciding which lines to advance.

2002 Samples

Approximately 1500 CDC chickpea seed samples (20 seeds per sample) were shipped to ICARDA in January 2003 for planting under quarantine in February 2003 in Syria. These consisted of F4 lines from 46 crosses, including both kabuli and desi market classes. Check varieties consisting of the 24 entries in the 2002 Saskatchewan chickpea regional trials were included as three replications in the nursery. These lines were successfully harvested in June 2003 and were planted in the ascochyta (November 2003) and Fusarium nurseries (February 2004). Final ascochyta blight severity ratings were reported in our 2004 annual report to ADF. In general, the Canadian check varieties performed in a similar manner compared to their reaction in Saskatchewan. For example, varieties which are rated 'very poor' in Canada such as Sanford, CDC Diva and CDC Xena rated 6 (on the 1=no disease, 9=highly diseased scale) in the ICARDA nursery. Varieties which are rated 'fair' in Canada such as Amit, Myles, CDC Desiray, CDC Frontier (95NN-29), and CDC Cabri (92073-40) rated 4-5 in the ICARDA nursery. The separation in reaction between these two classes was somewhat less than in 2003 (see comments above).

In 2004, ascochyta levels were relatively low in most CDC trials. Varieties such as CDC Xena had ratings of 5-6, while most breeding lines had low disease levels, such that reliable scoring was difficult. Thus, the data from ICARDA was a very useful supplement and were utilized in the decision-making process of which lines to advance to 2005 trials. **A breeding line evaluated in the 2002 set of samples, i.e., 222B-11 was later released as the niche market, black seed coat desi cultivar CDC Ebony.**

2003 Samples

Approximately 1500 CDC chickpea seed samples (50 seeds per sample) were shipped to ICARDA in January 2004 for planting under quarantine in January 2004 in Syria. These consisted of F4 lines from 19 crosses, including both kabuli and desi market classes.

Also included were some advanced lines from CDC regional, elite, and advanced trials, as well as a few lines from collaborations with USA colleagues. Check varieties consisting of the 24 entries in the 2003 Saskatchewan chickpea regional trials were included as three replications in the nursery. These lines were successfully harvested in June 2004 and were planted in the ascochyta nursery in November 2004. They were also planted in the Fusarium nursery in February 2005. Results in 2005 for ascochyta and Fusarium are summarized in Tables 1 and 2, respectively. In the ICARDA ascochyta nursery, 416 CDC breeding lines (out of a total of 1512 which were evaluated) had ratings of 3 or 4, which would be interpreted as having moderate resistance. In general, varieties such as CDC Frontier and Amit which are classified as having 'fair' resistance in Saskatchewan had ratings of 3-4 in the ICARDA nursery, but occasionally had higher ratings. Nurseries of this nature are always prone to some level of variation within the nursery, and thus, replications are important, both within the nursery and over years and locations. In the ICARDA Fusarium wilt nursery, 409 CDC breeding lines (out of a total of 1524 which were evaluated) had ratings of 0-10% plants killed, which would be interpreted as having a high level of resistance.

Many of the 2003 samples were evaluated in F5 advanced trials in Saskatchewan in 2005. The performance of these lines is summarized in Tables 3-18. For many of these lines, their ascochyta and Fusarium wilt scores from ICARDA collected in either 2004 or 2005 are also included in these tables. Decisions on which lines to advance to 2006 trials will be based on their performance in Saskatchewan trials and their performance in ICARDA disease nurseries.

A breeding line evaluated in the 2003 set of samples, i.e., 304-22 is scheduled for release in 2006 as a new desi cultivar for western Canada.

2004 Samples

Approximately 1500 CDC chickpea seed samples (50 seeds per sample) were shipped to ICARDA in January 2005 for planting under quarantine in January 2005 in Syria. These consisted of F4 lines from approximately 100 crosses, including both kabuli and desi market classes. Check varieties consisting of the 24 entries in the 2004 Saskatchewan chickpea regional trials were included as three replications in the nursery. These lines were successfully harvested in June 2005, and were planted in the ascochyta nursery in November 2005. They will also be planted in the Fusarium nursery in February 2006. We expect to receive ascochyta and Fusarium data in summer-fall 2006.

2005 Samples

The summer of 2004 was unusually cold in Saskatchewan resulting in delayed maturity of many crops including chickpea. The CDC chickpea F2 nursery froze prior to full maturity. Thus, in 2005 we did not have F2-derived F3 microplots to evaluate in Saskatoon. As a result, we could not follow the strategy (sending 1500 F4 lines) of the previous four years in terms of the material to send for evaluation at ICARDA. We discussed the situation with Dr. Malhotra (ICARDA) and with Mr. Baumann (ADF) and decided on the following strategy. In order not to disrupt the continuity of the project, we shipped F5, F6, and F7 lines instead of sending F4 lines. This strategy will result in lines being sent in 2005 which had been sent in earlier generations in previous year. We feel

that this replication is not a waste of effort, but will provide replication over time and increase our confidence in the results. Thus, approximately 1200 CDC chickpea seed samples (50 seeds per sample) were shipped to ICARDA in December 2005 for planting under quarantine in January 2006 in Syria. These lines should be harvested in June 2006, and then planted in the ascochyta nursery in November 2006 and the Fusarium nursery in February 2007. We expect to receive the ascochyta and Fusarium data in summer-fall 2007. Thus, although we are submitting the final report on this project in December 2005, data will continue to be generated in this project for the next 1.5 years.

Thus far, this project has played a role in the release of five cultivars (CDC Cabri, CDC ChiChi, CDC Frontier, CDC Ebony, and 304-22) which should play key roles in the chickpea industry in western Canada. We expect that several more cultivars will arise in the next 5 years from lines that have been tested in this project.

Objective 2. To enhance the long-term collaboration between the CDC and ICARDA chickpea breeding programs.

This project played a strong role in strengthening the collaboration between the CDC and ICARDA in pulse crop improvement. This included several face to face visits by co-investigators as follows.

February-March 2001: As part of a sabbatical leave from the CDC, Vandenberg spent February-March 2001 at ICARDA. During this time, arrangements for evaluation of these nurseries were discussed with Malhotra.

November 2001: Malhotra visited pulse crop researchers in Saskatoon to discuss the details of this project and overall opportunities for collaboration in chickpea breeding and pathology.

January 2003: Warkentin traveled to ICRISAT, Patencheru, India to participate in the Chickpea Scientists Meet. He presented a paper "Future priorities and research strategies for chickpea improvement in Canada". He then traveled to Raipur, India to participate in the International Chickpea Conference. He presented a paper on "Breeding chickpea for improved ascochyta blight resistance and earlier maturity in western Canada". At the International Chickpea Conference, Dr. Malhotra presented a paper on "Ascochyta blight resistance in chickpea: present status and future prospects". In addition, many chickpea breeders and pathologists from India, Australia, USA, Turkey, Iran and elsewhere provided updates on their research.

October 2003: Warkentin and Malhotra met at the North American Pulse Improvement Association meeting in Sacramento, CA. They jointly presented a paper on chickpea breeding, including research on ascochyta blight resistance.

June 2004: Warkentin and Malhotra met at the European Grain Legume Research Conference in Dijon, France where both presented papers. This provided a good opportunity to discuss mutual experiments and plan for future collaborations

January 2005: A new PhD student, Mr. Aziz Ur Rehman, began his studies at the University of Saskatchewan under the co-supervision of Warkentin and Malhotra and with funding from the Canadian International Development Agency (CIDA). His research project is focusing on aspects of drought tolerance in chickpea, which is the key abiotic stress in chickpea production internationally. Mr. Rehman will conduct portions of his research at the U of S and at ICARDA. **Mr. Rehman's project arose indirectly out of the current ADF project.**

May 2005: Warkentin traveled to Aleppo, Syria to visit ICARDA. He was hosted by Malhotra. They evaluated the progress of the CDC lines growing in quarantine, and in the ascochyta and Fusarium nurseries. They evaluated the entire ICARDA chickpea breeding program at Aleppo and at some off-station sites. Warkentin also toured many other programs at ICARDA during this visit. Future collaborations on chickpea improvement were discussed.

October 2005: Warkentin, Vandenberg and Malhotra traveled to New Delhi, India for the International Food Legume Research Conference where all presented papers. Discussions were held on current research projects and future collaborations.

Papers/Presentations

Malhotra R.S., Warkentin T.D., Knight J., Baum M., Bayaa B. and Udupa S.M. (2003) Recent developments in international chickpea breeding. North American Pulse Improvement Association biennial meeting (Sacramento, CA, USA).

Warkentin, T., and Vandenberg, A. (2003) Future priorities and research strategies for chickpea improvement in Canada. Chickpea Scientists Meet. ICRISAT, Patencheru, India.

Warkentin, T., Vandenberg, A., Banniza, S., Tar'an, B., Tullu, A., Lulsdorf, M., Anbessa, Y., Slinkard, A., Malhotra, R., Kumar, J., and Croser, J. (2003) Breeding chickpea for improved ascochyta blight resistance and earlier maturity in western Canada. International Chickpea Conference, Raipur, India.

Tar'an, B., Warkentin, T., Lulsdorf, M., Banniza, S., Chongo, G., Tullu, A., Bett, K., and Vandenberg, A. (2004) Genetic study of resistance to ascochyta blight in chickpea. A. Schneider, (ed.), Proc. 5th European Conference on Grain Legumes (Dijon, France).

Warkentin, T.D., Tar'an, B., Lulsdorf, M., Banniza, S., Bett, K., Tullu, A., and Vandenberg, A. (2004) Evaluation of resistance to ascochyta blight in cultivated and wild species of chickpea. Pulse Days 2004, Saskatchewan Pulse Growers (Saskatoon)

Gowda, C., Gaur, P., Saxena, K., Ali, M., Bashir, M., Rahman, A., Neupane, R., Xuxiao, Z., Than, A., Samartunga, H., Daba, K., Knights, E., and Warkentin, T. (2004) Future research priorities for chickpea and pigeonpea improvement. International Chickpea and Pigeonpea Newsletter 11: 3-5.

Ahmed, H. U., Chang, K.F., Hwang, S.F. , Warkentin, T. , and Howard, R.J. (2005) Evaluation of disease management strategies for ascochyta blight of chickpea in Alberta. Canadian Phytopathological Society Annual Meeting. (Edmonton, Alberta).

Tar'an, B., Hashemi, P., Breitkreutz, C., Lulsdorf, M., Warkentin, T.D., Tullu, A., Banniza, S., Bett, K., and Vandenberg, B. (2004) Breeding for higher levels of resistance to ascochyta blight in chickpea. Pulse Days 2005, Saskatchewan Pulse Growers (Saskatoon).

Lulsdorf, M., Tar'an, B., Ahmad, F., Allen, K., Banniza, S., Dament, T., Diederichsen, A., Warkentin, T.D. (2005) In search of superior ascochyta blight resistance for chickpea. Pulse Days 2005, Saskatchewan Pulse Growers (Saskatoon).

R. Chandirasekaran Y. Gan, T. Warkentin and S. Banniza (2004) Chickpea ascochyta blight management. 5th Canadian Pulse Research Workshop (London, ON) AND Pulse Days 2005, AND Soils and Crops (2005) Extension Division, University of Saskatchewan (Saskatoon).

B. Tar'an, P. Hashemi, C. Breitkreutz, M. Lulsdorf, T. Warkentin, S. Banniza, A. Tullu, K. Bett and A.Vandenberg (2004) Breeding for high level of resistance to ascochyta blight in chickpea. 5th Canadian Pulse Research Workshop (London, ON).

T. Warkentin, B. Vandenberg, S. Banniza, K. Bett, R. Ball, B. Tar'an, Y. Gan, A. Tullu, Y. Kabeta, M. Lulsdorf, P. Vijayan, and R. McVicar (2004) Prospects for the chickpea crop in western Canada. 5th Canadian Pulse Research Workshop (London, ON).

Jayakumar, P., Gossen, B.D., Gan, Y.T., Warkentin, T.D., and Banniza, S. (2005) Ascochyta blight of chickpea: Infection and host resistance mechanisms. Can. J. Plant Pathol. 27:499-509.

Malhotra, R.S., Bayaa, B., Warkentin, T.D. and Knights, E.J. (2005) Breeding chickpeas for resistance to ascochyta blight and fusarium wilt. American Society of Agronomy meetings (Salt Lake City, Utah).

Ahmed, H.U., Chang, K.F., Hwang, S.F., Howard R.J. and Warkentin, T.D. (2005) Efficacy of fungicides as seed treatment and foliar spray for the management of ascochyta blight of chickpea. Plant Pathology Society of Alberta. (Canmore, AB) (Also submitted to the Canadian Journal of Plant Pathology).

McVicar, R., Warkentin, T.D., Tar'an, B., Banniza, S., Sapsford, K., Kabeta, Y., Lulsdorf, M., Gan, Y. and Johnson, E. (2006) Targeting sustained growth of chickpea production. Pulse Days 2006, Saskatchewan Pulse Growers, Saskatoon.

Tar'an, B., Warkentin, T.D., Lulsdorf, M., Banniza, S., Tullu, A., Bett, K., and Vandenberg, A. (2005) Breeding for higher levels of resistance to ascochyta blight in chickpea. North American Pulse Improvement Association meeting (Newark, Delaware).

Chandirasekaran, R., Gan, Y., Warkentin, T.D., and Banniza, S. (2005) Management of ascochyta blight in chickpea. North American Pulse Improvement Association meeting (Newark, Delaware).

Warkentin, T.D., Vandenberg, A., Banniza, S., Bett, K., Tar'an, B., Tullu, A., Bing, DJ and Bandara, M. (2005) Field pea and chickpea breeding in western Canada. 4th International Food Legume Research Conference, New Delhi, India.

Tar'an, B., Warkentin, T., Lulsdorf, M., Tullu, A., Banniza, S., Bett, K., and Vandenberg, A. (2005) Breeding for Higher Levels of Resistance to Ascochyta Blight in Chickpea. 4th International Food Legume Research Conference, New Delhi, India.

Sarker, A. Singh, B.B., Malhotra, R.S., Gupta, S., Khalil, S., Dixit, G.P., Wang T., and T. Warkentin (2005) Breeding for Resistance to Biotic Stresses in Food Legumes. 4th International Food Legume Research Conference, New Delhi, India.

Variety description manuscripts

Vandenberg, A., Warkentin, T.D., and Slinkard, A.E. (2003) CDC Anna desi chickpea. Can. J. Plant Sci. 83:797-798.

Vandenberg, A., Warkentin, T.D., and Slinkard, A.E. (2003) CDC Nika desi chickpea. Can. J. Plant Sci. 83:799-800.

Vandenberg, A., Warkentin, T.D., and Slinkard, A.E. (2004) CDC Desiray desi chickpea. Can. J. Plant Sci. 84:795-796.

Warkentin, T.D., Banniza, S., and Vandenberg, A (2005) CDC Cabri desi chickpea. Can J Plant Sci 85: 905-906.

Warkentin, T.D., Banniza, S., and Vandenberg, A., (2005) CDC ChiChi kabuli chickpea. Can J Plant Sci. 85: 907-908.

Warkentin, T.D., Banniza, S., and Vandenberg, A (2005) CDC Frontier kabuli chickpea. Can J Plant Sci 85: 909-910.

Future Research: As described above, the final aspects of this project will be completed by mid-2007. We are evaluating the potential of requesting funding for Phase 2 of this research.

Information of benefit to producers, processors, or governments:
The CDC and ICARDA chickpea breeding programs are making steady progress in pyramiding genes with minor effects to improve ascochyta blight resistance. Most CDC breeding lines are now rated as 'fair' for resistance, as opposed to 'poor' or 'very poor' a few years ago. Progressing beyond this level is possible, but will take a concerted effort.

Collaboration with ICARDA continues to be an excellent means of achieving the goal of improving the sustainability of the chickpea industry in Saskatchewan, through improved ascochyta resistance.

(d) **Personnel**: One month salary of a technician at the CDC was charged to this project on an annual basis to cover the cost of seed preparation for shipment to ICARDA.

(e) Equipment: No equipment was purchased.

(f) Project Developed Materials: The CDC program produces many new breeding lines each year. Many of these show improvements in ascochyta blight resistance, early maturity, and market acceptability.

(g) Project Photos: Many photos were taken by Warkentin in CDC breeding nurseries and at the ICARDA nurseries. These are available on request.

(h) Acknowledgement: The Saskatchewan Agricultural Development Fund has been acknowledged in all presentations where this research project was mentioned.

(i) Expense Statement: Will be provided.

Table 1. Ascochyta blight results recorded in 2005 at ICARDA for the 2003 samples.

Plot no.	Sel04TH	Line	03 Source	Type	ABR 17/5
53601	ILC263				9
53602	71001	Myles	CPRTD	Desi	7
53603	71002	CDC Desiray	CPRTD	Desi	7
53604	71003	CDC Anna	CPRTD	Desi	8
53605	71004	CDC Nika	CPRTD	Desi	5
53606	71005	CDC Cabri	CPRTD	Desi	6
53607	71006	222B-11	CPRTD	Desi	4
53608	71007	304-22	CPRTD	Desi	6
53609	71008	304-31	CPRTD	Desi	6
53610	71009	304-40	CPRTD	Desi	7
53611	ILC263				9
53612	71010	221-24	CPRTD	Desi	7
53613	71011	ICC 12512-1	CPRTD	Desi	4
53614	71012	356-6	CPRTD	Desi	5
53615	71013	Sanford	CPRTK	Kabuli	6
53616	71014	Amit	CPRTK	Kabuli	6
53617	71015	CDC Xena	CPRTK	Kabuli	7
53618	71016	CDC ChiChi	CPRTK	Kabuli	7
53619	71017	CDC Frontier	CPRTK	Kabuli	6
53620	71018	95NN-12	CPRTK	Kabuli	8
53621	ILC263				9
53622	71019	97-Indian2-112	CPRTK	Kabuli	M
53623	71020	242-1	CPRTK	Kabuli	6
53624	71021	FLIP 98-136C	CPRTK	Kabuli	4
53625	71022	FLIP 82-150C	CPRTK	Kabuli	6
53626	71023	FLIP 98-133C	CPRTK	Kabuli	4
53627	71024	FLIP 97-133C	CPRTK	Kabuli	6
53628	71025	Myles	CPELD	Desi	4
53629	71026	CDC Desiray	CPELD	Desi	5
53630	71027	CDC Anna	CPELD	Desi	6
53631	ILC263				9
53632	71028	CDC Nika	CPELD	Desi	6
53633	71029	CDC Cabri	CPELD	Desi	5
53634	71030	296T-7	CPELD	Desi	5
53635	71031	296T-20	CPELD	Desi	4
53636	71032	296T-21	CPELD	Desi	5
53637	71033	296T-30	CPELD	Desi	5
53638	71034	296T-45	CPELD	Desi	5
53639	71035	296T-56	CPELD	Desi	5
53640	71036	363T-13	CPELD	Desi	3
53641	ILC263				9
53642	71037	304T-1	CPELD	Desi	5
53643	71038	304T-4	CPELD	Desi	6
53644	71039	304T-5	CPELD	Desi	6
53645	71040	304T-6	CPELD	Desi	4

53646	71041	304T-7	CPELD	Desi	4
53647	71042	304T-15	CPELD	Desi	4
53648	71043	304T-17	CPELD	Desi	4
53649	71044	304T-20	CPELD	Desi	5
53650	71045	ICC 12512-3	CPELD	Desi	4
53651	ILC263				9
53652	71046	ICC 12512-9	CPELD	Desi	3
53653	71047	ICC 12512-10	CPELD	Desi	3
53654	71048	316B-42	CPELD	Desi	5
53655	71049	318B-59	CPELD	Desi	4
53656	71050	318B-60	CPELD	Desi	4
53657	71051	296T-4	CPELD	Desi	4
53658	71052	296T-11	CPELD	Desi	4
53659	71053	296T-40	CPELD	Desi	5
53660	71054	296T-54	CPELD	Desi	5
53661	ILC263				9
53662	71055	294T-1	CPELD	Desi	6
53663	71056	294T-16	CPELD	Desi	5
53664	71057	294T-18	CPELD	Desi	6
53665	71058	277-4	CPELD	Desi	5
53666	71059	ICC 12512-15	CPELD	Desi	4
53667	71060	294T-11	CPELD	Desi	4
53668	71061	Sanford	CPELK	Kabuli	7
53669	71062	CDC Xena	CPELK	Kabuli	8
53670	71063	Amit	CPELK	Kabuli	4
53671	ILC263				9
53672	71064	CDC Frontier	CPELK	Kabuli	4
53673	71065	FLIP 98-17C	CPELK	Kabuli	4
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53685	71076	285T-1	CPELK	Kabuli	6
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54075	71427	560-176	F3 MP	Kabuli	7
54076	71428	535-1	F3 MP	Kabuli	6
54077	71429	535-2	F3 MP	Kabuli	6
54078	71430	535-3	F3 MP	Kabuli	7
54079	71431	535-4	F3 MP	Kabuli	6
54080	71432	535-5	F3 MP	Kabuli	7
54081	ILC263				9
54082	71433	535-6	F3 MP	Kabuli	6
54083	71434	534-1	F3 MP	Kabuli	5
54084	71435	534-2	F3 MP	Kabuli	6
54085	71436	534-3	F3 MP	Kabuli	4
54086	71437	534-4	F3 MP	Kabuli	5
54087	71438	534-5	F3 MP	Kabuli	5
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54095	71445	604-131	F3 MP	Kabuli	6

54096	71446	604-132	F3 MP	Kabuli	4
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54114	71462	604-148	F3 MP	Kabuli	7
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54116	71464	604-150	F3 MP	Kabuli	5
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54118	71466	604-152	F3 MP	Kabuli	6
54119	71467	604-153	F3 MP	Kabuli	6
54120	71468	604-154	F3 MP	Kabuli	7
54121	ILC263				9
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54126	71473	604-159	F3 MP	Kabuli	7
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54128	71475	604-161	F3 MP	Kabuli	6
54129	71476	604-162	F3 MP	Kabuli	6
54130	71477	604-163	F3 MP	Kabuli	6
54131	ILC263				9
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54133	71479	604-165	F3 MP	Kabuli	6
54134	71480	604-166	F3 MP	Kabuli	6
54135	71481	604-167	F3 MP	Kabuli	6
54136	71482	604-168	F3 MP	Kabuli	7
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54140	71486	604-172	F3 MP	Kabuli	6
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54145	71490	604-176	F3 MP	Kabuli	7

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54160	71504	604-190
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54165	71508	604-194
54166	71509	604-195
54167	71510	604-196
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54169	71512	604-198
54170	71513	604-199
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54174	71516	604-202
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54176	71518	604-204
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54178	71520	604-206
54179	71521	604-207
54180	71522	604-208
54181	ILC263	
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54183	71524	604-210
54184	71525	604-211
54185	71526	604-212
54186	71527	604-213
54187	71528	598-21
54188	71529	598-22
54189	71530	598-23
54190	71531	598-24
54191	ILC263	
54192	71532	598-25
54193	71533	598-26
54194	71534	598-27
54195	71535	598-28

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F3 MP	Kabuli	9
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F3 MP	Kabuli	4

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54206	71545	598-38
54207	71546	598-39
54208	71547	598-40
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54210	71549	598-42
54211	ILC263	
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54220	71558	598-51
54221	ILC263	
54222	71559	598-52
54223	71560	598-53
54224	71561	598-54
54225	71562	598-55
54226	71563	598-56
54227	71564	598-57
54228	71565	598-58
54229	71566	598-59
54230	71567	598-60
54231	ILC263	
54232	71568	598-61
54233	71569	598-62
54234	71570	598-63
54235	71571	598-64
54236	71572	598-65
54237	71573	598-66
54238	71574	605-31
54239	71575	605-32
54240	71576	605-33
54241	ILC263	
54242	71577	605-34
54243	71578	605-35
54244	71579	605-36
54245	71580	605-37

F3 MP	Kabuli	3
F3 MP	Kabuli	3
F3 MP	Kabuli	4
F3 MP	Kabuli	4
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F3 MP	Kabuli	6
F3 MP	Kabuli	7
F3 MP	Kabuli	6
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F3 MP	Kabuli	7
F3 MP	Kabuli	5
F3 MP	Kabuli	6
F3 MP	Kabuli	7

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54247	71582	605-39	F3 MP	Kabuli	8
54248	71583	605-40	F3 MP	Kabuli	8
54249	71584	605-41	F3 MP	Kabuli	6
54250	71585	605-42	F3 MP	Kabuli	6
54251	ILC263				9
54252	71586	Myles	CPRTD	Desi	5
54253	71587	CDC Desiray	CPRTD	Desi	5
54254	71588	CDC Anna	CPRTD	Desi	5
54255	71589	CDC Nika	CPRTD	Desi	4
54256	71590	CDC Cabri	CPRTD	Desi	5
54257	71591	222B-11	CPRTD	Desi	4
54258	71592	304-22	CPRTD	Desi	3
54259	71593	304-31	CPRTD	Desi	4
54260	71594	304-40	CPRTD	Desi	5
54261	ILC263				9
54262	71595	221-24	CPRTD	Desi	4
54263	71596	ICC 12512-1	CPRTD	Desi	3
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54265	71598	Sanford	CPRTK	Kabuli	6
54266	71599	Amit	CPRTK	Kabuli	3
54267	71600	CDC Xena	CPRTK	Kabuli	7
54268	71601	CDC ChiChi	CPRTK	Kabuli	6
54269	71602	CDC Frontier	CPRTK	Kabuli	6
54270	71603	95NN-12	CPRTK	Kabuli	7
54271	ILC263				9
54272	71604	97-Indian2-112	CPRTK	Kabuli	7
54273	71605	242-1	CPRTK	Kabuli	6
54274	71606	FLIP 98-136C	CPRTK	Kabuli	5
54275	71607	FLIP 82-150C	CPRTK	Kabuli	6
54276	71608	FLIP 98-133C	CPRTK	Kabuli	3
54277	71609	FLIP 97-133C	CPRTK	Kabuli	5
54278	71610	Xena	CPAYT01	Kabuli	8
54279	71611	Frontier	CPAYT01	Kabuli	4
54280	71612	Amit	CPAYT01	Kabuli	5
54281	ILC263				9
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54283	71614	447S-29	CPAYT01	Kabuli	4
54284	71615	447S-31	CPAYT01	Kabuli	4
54285	71616	447S-32	CPAYT01	Kabuli	5
54286	71617	447S-36	CPAYT01	Kabuli	6
54287	71618	447S-37	CPAYT01	Kabuli	6
54288	71619	380T-50	CPAYT01	Kabuli	6
54289	71620	438bs-10	CPAYT01	Kabuli	6
54290	71621	438bs-29	CPAYT01	Kabuli	6
54291	ILC263				9
54292	71622	438bs-30	CPAYT01	Kabuli	5
54293	71623	312B-5	CPAYT01	Kabuli	7
54294	71624	312B-9	CPAYT01	Kabuli	6
54295	71625	312B-17	CPAYT01	Kabuli	6

54296	71626	312B-19	CPAYT01	Kabuli	6
54297	71627	441as-12	CPAYT01	Kabuli	5
54298	71628	441as-20	CPAYT01	Kabuli	6
54299	71629	439bs-2	CPAYT01	Kabuli	4
54300	71630	439bs-3	CPAYT01	Kabuli	5
54301	ILC263				9
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54303	71632	239-8	CPAYT01	Kabuli	7
54304	71633	239-25	CPAYT01	Kabuli	7
54305	71634	239-27	CPAYT01	Kabuli	7
54306	71635	385S-1	CPAYT01	Kabuli	6
54307	71636	385S-11	CPAYT01	Kabuli	6
54308	71637	439as-7	CPAYT01	Kabuli	5
54309	71638	439as-12	CPAYT01	Kabuli	5
54310	71639	439as-33	CPAYT01	Kabuli	6
54311	ILC263				9
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54313	71641	439as-38	CPAYT01	Kabuli	5
54314	71642	378aT-12	CPAYT01	Kabuli	4
54315	71643	FLIP 98-233C	CPAYT01	Kabuli	4
54316	71644	FLIP 98-70C	CPAYT01	Kabuli	5
54317	71645	FLIP 98-77C	CPAYT01	Kabuli	4
54318	71646	Xena	CPAYT02	Kabuli	4
54319	71647	Frontier	CPAYT02	Kabuli	5
54320	71648	Amit	CPAYT02	Kabuli	6
54321	ILC263				9
54322	71649	328S-8	CPAYT02	Kabuli	8
54323	71650	438as-25	CPAYT02	Kabuli	5
54324	71651	438as-67	CPAYT02	Kabuli	5
54325	71652	372T-8	CPAYT02	Kabuli	7
54326	71653	380T-17	CPAYT02	Kabuli	5
54327	71654	380T-42	CPAYT02	Kabuli	6
54328	71655	380T-72	CPAYT02	Kabuli	7
54329	71656	438bs-6	CPAYT02	Kabuli	6
54330	71657	438bs-22	CPAYT02	Kabuli	6
54331	ILC263				9
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54333	71659	441as-16	CPAYT02	Kabuli	5
54334	71660	441as-17	CPAYT02	Kabuli	6
54335	71661	441as-18	CPAYT02	Kabuli	6
54336	71662	441as-29	CPAYT02	Kabuli	7
54337	71663	441as-31	CPAYT02	Kabuli	6
54338	71664	441as-34	CPAYT02	Kabuli	7
54339	71665	388s-2	CPAYT02	Kabuli	6
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54343	71668	397s-1	CPAYT02	Kabuli	8
54344	71669	442S-17	CPAYT02	Kabuli	6
54345	71670	369S-5	CPAYT02	Kabuli	7

54346	71671	467T-9	CPAYT02	Kabuli	6
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54348	71673	467T-20	CPAYT02	Kabuli	6
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54350	71675	469T-6	CPAYT02	Kabuli	6
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54353	71677	385S-10	CPAYT02	Kabuli	7
54354	71678	385S-12	CPAYT02	Kabuli	7
54355	71679	439as-4	CPAYT02	Kabuli	5
54356	71680	439as-22	CPAYT02	Kabuli	5
54357	71681	443S-2	CPAYT02	Kabuli	6
54358	71682	Xena	CPAYT03	Kabuli	8
54359	71683	Frontier	CPAYT03	Kabuli	5
54360	71684	Amit	CPAYT03	Kabuli	5
54361	ILC263				9
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54363	71686	438as-17	CPAYT03	Kabuli	6
54364	71687	438as-26	CPAYT03	Kabuli	5
54365	71688	438as-38	CPAYT03	Kabuli	5
54366	71689	438as-42	CPAYT03	Kabuli	4
54367	71690	438as-43	CPAYT03	Kabuli	6
54368	71691	438as-54	CPAYT03	Kabuli	6
54369	71692	372T-9	CPAYT03	Kabuli	8
54370	71693	430S-4	CPAYT03	Kabuli	8
54371	ILC263				9
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54374	71696	376T-6	CPAYT03	Kabuli	6
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54378	71700	441as-13	CPAYT03	Kabuli	6
54379	71701	441as-27	CPAYT03	Kabuli	6
54380	71702	441as-28	CPAYT03	Kabuli	6
54381	ILC263				7
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54383	71704	441as-43	CPAYT03	Kabuli	3
54384	71705	446as-2	CPAYT03	Kabuli	4
54385	71706	440s-4	CPAYT03	Kabuli	6
54386	71707	382s-3	CPAYT03	Kabuli	6
54387	71708	442S-5	CPAYT03	Kabuli	7
54388	71709	437S-6	CPAYT03	Kabuli	5
54389	71710	469T-3	CPAYT03	Kabuli	6
54390	71711	469T-8	CPAYT03	Kabuli	5
54391	ILC263				9
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54393	71713	385S-4	CPAYT03	Kabuli	8
54394	71714	385S-8	CPAYT03	Kabuli	7
54395	71715	394S-1	CPAYT03	Kabuli	7

54396	71716	247-1	CPAYT03	Kabuli	7
54397	71717	FLIP 98-123C	CPAYT03	Kabuli	6
54398	71718	Myles	CPAYT04	Desi	6
54399	71719	Desiray	CPAYT04	Desi	5
54400	71720	Anna	CPAYT04	Desi	6
54401	ILC263				9
54402	71721	Nika	CPAYT04	Desi	6
54403	71722	Cabri	CPAYT04	Desi	6
54404	71723	484T-14	CPAYT04	Desi	5
54405	71724	418as-60	CPAYT04	Desi	5
54406	71725	418aS-64	CPAYT04	Desi	6
54407	71726	418aS-76	CPAYT04	Desi	6
54408	71727	418aS-85	CPAYT04	Desi	7
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54412	71730	477bT-1	CPAYT04	Desi	5
54413	71731	425aS-2	CPAYT04	Desi	3
54414	71732	425aS-12	CPAYT04	Desi	3
54415	71733	457aS-1	CPAYT04	Desi	4
54416	71734	418bs-25	CPAYT04	Desi	3
54417	71735	418bs-34	CPAYT04	Desi	3
54418	71736	418bs-40	CPAYT04	Desi	4
54419	71737	418bs-51	CPAYT04	Desi	5
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54421	ILC263				9
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54423	71740	418bs-57	CPAYT04	Desi	6
54424	71741	418bs-59	CPAYT04	Desi	6
54425	71742	418bs-64	CPAYT04	Desi	7
54426	71743	418bs-71	CPAYT04	Desi	6
54427	71744	418bs-84	CPAYT04	Desi	6
54428	71745	418bs-96	CPAYT04	Desi	6
54429	71746	418bs-98	CPAYT04	Desi	6
54430	71747	418bs-107	CPAYT04	Desi	7
54431	ILC263				9
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54433	71749	418bs-180	CPAYT04	Desi	6
54434	71750	418bs-240	CPAYT04	Desi	6
54435	71751	418bs-254	CPAYT04	Desi	5
54436	71752	418bs-256	CPAYT04	Desi	5
54437	71753	456bs-6	CPAYT04	Desi	6
54438	71754	Myles	CPAYT05	Desi	4
54439	71755	Desiray	CPAYT05	Desi	7
54440	71756	Anna	CPAYT05	Desi	4
54441	ILC263				9
54442	71757	Nika	CPAYT05	Desi	4
54443	71758	Cabri	CPAYT05	Desi	4
54444	71759	335S-29	CPAYT05	Desi	5
54445	71760	335S-38	CPAYT05	Desi	4

54446	71761	381T-6	CPAYT05	Desi	4
54447	71762	418as-58	CPAYT05	Desi	5
54448	71763	418aS-67	CPAYT05	Desi	6
54449	71764	418aS-75	CPAYT05	Desi	6
54450	71765	418aS-90	CPAYT05	Desi	6
54451	ILC263				9
54452	71766	418aS-107	CPAYT05	Desi	4
54453	71767	418aS-108	CPAYT05	Desi	4
54454	71768	336S-11	CPAYT05	Desi	6
54455	71769	336S-16	CPAYT05	Desi	6
54456	71770	459S-3	CPAYT05	Desi	5
54457	71771	418bs-17	CPAYT05	Desi	5
54458	71772	418bs-33	CPAYT05	Desi	6
54459	71773	418bs-48	CPAYT05	Desi	6
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54466	71779	418bs-129	CPAYT05	Desi	6
54467	71780	418bs-140	CPAYT05	Desi	6
54468	71781	418bs-143	CPAYT05	Desi	5
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54470	71783	457bs-10	CPAYT05	Desi	6
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54474	71786	463S-2	CPAYT05	Desi	7
54475	71787	453aS-7	CPAYT05	Desi	7
54476	71788	456bs-3	CPAYT05	Desi	7
54477	71789	399bs-4	CPAYT05	Desi	6
54478	71790	Myles	CPAYT06	Desi	6
54479	71791	Desiray	CPAYT06	Desi	7
54480	71792	Anna	CPAYT06	Desi	7
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54483	71794	Cabri	CPAYT06	Desi	6
54484	71795	428as-1	CPAYT06	Desi	5
54485	71796	335S-33	CPAYT06	Desi	6
54486	71797	418as-1	CPAYT06	Desi	8
54487	71798	418as-45	CPAYT06	Desi	6
54488	71799	418as-55	CPAYT06	Desi	6
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54493	71803	425aS-11	CPAYT06	Desi	6
54494	71804	425aS-14	CPAYT06	Desi	6
54495	71805	457aS-10	CPAYT06	Desi	6

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54674	71966	551-9	F3 MP	Desi	7
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54679	71971	551-14	F3 MP	Desi	5
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54690	71981	551-24	F3 MP	Desi	5
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54695	71985	551-28	F3 MP	Desi	5

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54730	72017	603-21	F3 MP	Desi	6
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54745	72030	548-7	F3 MP	Desi	5

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54808	72087	554-39
54809	72088	554-40
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54827	72104	550-6
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54830	72107	550-9
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54835	72111	550-13
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54838	72114	550-16
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54840	72116	550-18
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54843	72118	550-20
54844	72119	550-21
54845	72120	550-22

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F3 MP	Desi	6
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F3 MP	Desi	5

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54857	72131	550-33
54858	72132	604-1
54859	72133	604-2
54860	72134	604-3
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54884	72155	604-24
54885	72156	604-25
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54887	72158	604-27
54888	72159	604-28
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54890	72161	604-30
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54893	72163	604-32
54894	72164	604-33
54895	72165	604-34

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F3 MP	Desi	4
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54897	72167	604-36
54898	72168	604-37
54899	72169	604-38
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54906	72175	604-44
54907	72176	604-45
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54915	72183	604-52
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54917	72185	604-54
54918	72186	604-55
54919	72187	604-56
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54923	72190	604-59
54924	72191	604-60
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54927	72194	604-63
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54929	72196	604-65
54930	72197	604-66
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54934	72200	604-69
54935	72201	604-70
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54937	72203	604-72
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54939	72205	604-74
54940	72206	604-75
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54943	72208	604-77
54944	72209	604-78
54945	72210	604-79

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F3 MP	Desi	4
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F3 MP	Desi	6
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F3 MP	Desi	6

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54947	72212	604-81	F3 MP	Desi	6
54948	72213	604-82	F3 MP	Desi	6
54949	72214	604-83	F3 MP	Desi	7
54950	72215	604-84	F3 MP	Desi	6
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54976	72238	604-107	F3 MP	Desi	6
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54980	72242	604-111	F3 MP	Desi	M
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54985	72246	604-115	F3 MP	Desi	7
54986	72247	604-116	F3 MP	Desi	6
54987	72248	604-117	F3 MP	Desi	6
54988	72249	604-118	F3 MP	Desi	5
54989	72250	604-119	F3 MP	Desi	6
54990	72251	604-120	F3 MP	Desi	6
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54993	72253	604-122	F3 MP	Desi	6
54994	72254	604-123	F3 MP	Desi	4
54995	72255	604-124	F3 MP	Desi	7

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54998	72258	549-3	F3 MP	Desi	6
54999	72259	549-4	F3 MP	Desi	7
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55048	72303	598-8	F3 MP	Desi	5
55049	72304	598-9	F3 MP	Desi	6
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55053	72307	598-12	F3 MP	Desi	6
55054	72308	598-13	F3 MP	Desi	4
55055	72309	598-14	F3 MP	Desi	6
55056	72310	598-15	F3 MP	Desi	6
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55094	72344	596-25	F3 MP	Desi	6
55095	72345	596-26	F3 MP	Desi	5

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55097	72347	596-28	F3 MP	Desi	4
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55099	72349	596-30	F3 MP	Desi	6
55100	72350	596-31	F3 MP	Desi	6
55101	ILC263				9
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55106	72355	596-36	F3 MP	Desi	4
55107	72356	596-37	F3 MP	Desi	3
55108	72357	596-38	F3 MP	Desi	M
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55110	72359	596-40	F3 MP	Desi	5
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55112	72360	596-41	F3 MP	Desi	4
55113	72361	596-42	F3 MP	Desi	5
55114	72362	596-43	F3 MP	Desi	5
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55118	72366	596-47	F3 MP	Desi	4
55119	72367	596-48	F3 MP	Desi	5
55120	72368	596-49	F3 MP	Desi	5
55121	ILC263				9
55122	72369	596-50	F3 MP	Desi	3
55123	72370	596-51	F3 MP	Desi	3
55124	72371	596-52	F3 MP	Desi	3
55125	72372	596-53	F3 MP	Desi	4
55126	72373	596-54	F3 MP	Desi	7
55127	72374	596-55	F3 MP	Desi	5
55128	72375	596-56	F3 MP	Desi	5
55129	72376	596-57	F3 MP	Desi	4
55130	72377	596-58	F3 MP	Desi	5
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55134	72380	596-61	F3 MP	Desi	4
55135	72381	596-62	F3 MP	Desi	6
55136	72382	596-63	F3 MP	Desi	5
55137	72383	596-64	F3 MP	Desi	4
55138	72384	596-65	F3 MP	Desi	4
55139	72385	596-66	F3 MP	Desi	5
55140	72386	596-67	F3 MP	Desi	6
55141	ILC263				9
55142	72387	596-68	F3 MP	Desi	5
55143	72388	596-69	F3 MP	Desi	5
55144	72389	596-70	F3 MP	Desi	6
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55149	72394	539-4	F3 MP	Desi	7
55150	72395	596-72	F3 MP	Desi	7
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55159	72403	596-80	F3 MP	Desi	5
55160	72404	596-81	F3 MP	Desi	6
55161	ILC263				9
55162	72405	596-82	F3 MP	Desi	5
55163	72406	596-83	F3 MP	Desi	6
55164	72407	596-84	F3 MP	Desi	6
55165	72408	596-85	F3 MP	Desi	5
55166	72409	598-67	F3 MP	Desi	6
55167	72410	598-68	F3 MP	Desi	6
55168	72411	598-69	F3 MP	Desi	4
55169	72412	598-70	F3 MP	Desi	4
55170	72413	598-71	F3 MP	Desi	5
55171	ILC263				9
55172	72414	598-72	F3 MP	Desi	4
55173	72415	598-73	F3 MP	Desi	5
55174	72416	598-74	F3 MP	Desi	5
55175	72417	598-75	F3 MP	Desi	6
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55179	72421	598-79	F3 MP	Desi	5
55180	72422	598-80	F3 MP	Desi	5
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55182	72423	598-81	F3 MP	Desi	7
55183	72424	598-82	F3 MP	Desi	6
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55187	72428	598-86	F3 MP	Desi	5
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55189	72430	598-88	F3 MP	Desi	6
55190	72431	598-89	F3 MP	Desi	8
55191	ILC263				9
55192	72432	598-90	F3 MP	Desi	8
55193	72433	598-91	F3 MP	Desi	7
55194	72434	605-43	F3 MP	Desi	8
55195	72435	605-44	F3 MP	Desi	8

55196	72436	605-45	F3 MP	Desi	9
55197	72437	605-46	F3 MP	Desi	9
55198	72438	605-47	F3 MP	Desi	8
55199	72439	605-48	F3 MP	Desi	9
55200	72440	605-49	F3 MP	Desi	8
55201	ILC263				9
55202	72441	605-50	F3 MP	Desi	8
55203	72442	605-51	F3 MP	Desi	7
55204	72443	605-52	F3 MP	Desi	6
55205	72444	605-53	F3 MP	Desi	6
55206	72445	605-54	F3 MP	Desi	7
55207	72446	605-55	F3 MP	Desi	6
55208	72447	604-214	F3 MP	Desi	6
55209	72448	604-215	F3 MP	Desi	6
55210	72449	604-216	F3 MP	Desi	6
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55213	72451	596-88	F3 MP	Desi	6
55214	72452	Myles	CPRTD	Desi	6
55215	72453	CDC Desiray	CPRTD	Desi	5
55216	72454	CDC Anna	CPRTD	Desi	5
55217	72455	CDC Nika	CPRTD	Desi	4
55218	72456	CDC Cabri	CPRTD	Desi	5
55219	72457	222B-11	CPRTD	Desi	6
55220	72458	304-22	CPRTD	Desi	7
55221	ILC263				9
55222	72459	304-31	CPRTD	Desi	6
55223	72460	304-40	CPRTD	Desi	6
55224	72461	221-24	CPRTD	Desi	6
55225	72462	ICC 12512-1	CPRTD	Desi	4
55226	72463	356-6	CPRTD	Desi	5
55227	72464	Sanford	CPRTK	Kabuli	7
55228	72465	Amit	CPRTK	Kabuli	6
55229	72466	CDC Xena	CPRTK	Kabuli	8
55230	72467	CDC ChiChi	CPRTK	Kabuli	8
55231	ILC263				9
55232	72468	CDC Frontier	CPRTK	Kabuli	6
55233	72469	95NN-12	CPRTK	Kabuli	6
55234	72470	97-Indian2-112	CPRTK	Kabuli	7
55235	72471	242-1	CPRTK	Kabuli	7
55236	72472	FLIP 98-136C	CPRTK	Kabuli	M
55237	72473	FLIP 82-150C	CPRTK	Kabuli	6
55238	72474	FLIP 98-133C	CPRTK	Kabuli	6
55239	72475	FLIP 97-133C	CPRTK	Kabuli	6
55240	72476	CDC Xena	CPIGPET	Kabuli	8
55241	ILC263				9
55242	72477	CDC Frontier	CPIGPET	Kabuli	9
55243	72478	Amit	CPIGPET	Kabuli	M
55244	72479	Myles	CPIGPET	Desi	9
55245	72480	CDC Anna	CPIGPET	Desi	M

55246	72481	CDC Nika	CPIGPET	Desi	9
55247	72482	CA 9990B1895C	CPIGPET	Kabuli	7
55248	72483	CA 0090B347C	CPIGPET	Kabuli	7
55249	72484	CA 0090B383C	CPIGPET	Kabuli	7
55250	72485	CA 9990I875W	CPIGPET	Kabuli	8
55251	ILC263				9
55252	72486	CA 0090B015W	CPIGPET	Kabuli	8
55253	72487	CA 9783163C	CPIGPET	Kabuli	7
55254	72488	CA 9890169W	CPIGPET	Kabuli	7
55255	72489	CA 9990B1514W	CPIGPET	Kabuli	8
55256	72490	CA 9990B1579C	CPIGPET	Kabuli	7
55257	72491	CA 9990I861W	CPIGPET	Kabuli	6
55258	72492	CA9890234W	CPIGPET	Kabuli	7
55259	72493	CA 9890239W	CPIGPET	Kabuli	7
55260	72494	Sanford	CPIGPET02	Kabuli	7
55261	ILC263				9
55262	72495	CDC Xena	CPIGPET02	Kabuli	9
55263	72496	Amit	CPIGPET02	Kabuli	6
55264	72497	CDC Frontier	CPIGPET02	Kabuli	5
55265	72498	Sierra	CPIGPET02	Kabuli	7
55266	72499	CA 9890233W	CPIGPET02	Kabuli	6
55267	72500	CA 9990I604C	CPIGPET02	Kabuli	6
55268	72501	Garnet	CPIGPET02	Desi	7
55269	72502	Farmers field	Iran	w.sp	M
55270	72503	From gala-oral	Russia	Kabuli	6
55271	ILC263				7
55272	72504	Tashkent market-2	Tashkent	Kabuli	9
55273	72505	Tashkent market-1	Tashkent	Kabuli	9
55274	72601	CA0190B777C	USA	Kabuli	7
55275	72602	CA0090B659D	USA	Kabuli	7
55276	72603	CA0190B474C	USA	Kabuli	4
55277	72604	Ghab 5			6
55278	72605	CA0090B015W	USA	Kabuli	7
55279	72606	CA0190B598C	USA	Kabuli	7
55280	72607	CA0190B015C	USA	Kabuli	7
55281	ILC263				9
55282	72608	CA0190B723C	USA	Kabuli	9
55283	72609	CA0190B773C	USA	Kabuli	9
55284	72610	CA0090B347C	USA	Kabuli	8
55285	72611	CA0190B110C	USA	Kabuli	6
55286	72612	CA0190B052C	USA	Kabuli	7
55287	72613	CA0190B418C	USA	Kabuli	7
55288	72614	CA0190B775C	USA	Kabuli	6
55289	72615	CA0090B383C	USA	Kabuli	7
55290	72616	Ghab4			6
55291	ILC263				9
55292	72617	CA0190B539C	USA	Kabuli	8
55293	72618	CA0190B839C	USA	Kabuli	8

55294	72619	ILC 1929			9
55295	72620	CA0190B783C	USA	Kabuli	9

Table 2. Fusarium wilt results recorded in 2005 at ICARDA for the 2003 samples.

Plot no.	Sel04TH	Line	03 Source	Type	FWR1 3/5	29/05
80001	ILC482				35	80
80002	71001	Myles	CPRTD	Desi	0	30
80003	71002	CDC Desiray	CPRTD	Desi	0	30
80004	71003	CDC Anna	CPRTD	Desi	0	15
80005	71004	CDC Nika	CPRTD	Desi	0	30
80006	71005	CDC Cabri	CPRTD	Desi	0	10
80007	71006	222B-11	CPRTD	Desi	5	100
80008	71007	304-22	CPRTD	Desi	30	100
80009	71008	304-31	CPRTD	Desi	30	90
80010	71009	304-40	CPRTD	Desi	0	100
80011	ILC482				50	95
80012	71010	221-24	CPRTD	Desi	0	0
80013	71011	ICC 12512-1	CPRTD	Desi	5	90
80014	71012	356-6	CPRTD	Desi	0	10
80015	71013	Sanford	CPRTK	Kabuli	25	100
80016	71014	Amit	CPRTK	Kabuli	20	100
80017	71015	CDC Xena	CPRTK	Kabuli	0	70
80018	71016	CDC ChiChi	CPRTK	Kabuli	0	80
80019	71017	CDC Frontier	CPRTK	Kabuli	15	80
80020	71018	95NN-12	CPRTK	Kabuli	60	100
80021	ILC482				55	85
80022	71019	97-Indian2-112	CPRTK	Kabuli	0	30
80023	71020	242-1	CPRTK	Kabuli	0	100
80024	71021	FLIP 98-136C	CPRTK	Kabuli	5	100
80025	71022	FLIP 82-150C	CPRTK	Kabuli	30	100
80026	71023	FLIP 98-133C	CPRTK	Kabuli	0	60
80027	71024	FLIP 97-133C	CPRTK	Kabuli	25	100
80028	71025	Myles	CPELD	Desi	0	10
80029	71026	CDC Desiray	CPELD	Desi	0	0
80030	71027	CDC Anna	CPELD	Desi	0	0
80031	ILC482				75	90
80032	71028	CDC Nika	CPELD	Desi	0	20
80033	71029	CDC Cabri	CPELD	Desi	0	0
80034	71030	296T-7	CPELD	Desi	0	100
80035	71031	296T-20	CPELD	Desi	0	100
80036	71032	296T-21	CPELD	Desi	15	100
80037	71033	296T-30	CPELD	Desi	10	100
80038	71034	296T-45	CPELD	Desi	15	100
80039	71035	296T-56	CPELD	Desi	5	100
80040	71036	363T-13	CPELD	Desi	0	0
80041	ILC482				80	95
80042	71037	304T-1	CPELD	Desi	5	60
80043	71038	304T-4	CPELD	Desi	10	90
80044	71039	304T-5	CPELD	Desi	15	50

80045	71040	304T-6	CPELD	Desi	0	80
80046	71041	304T-7	CPELD	Desi	0	40
80047	71042	304T-15	CPELD	Desi	5	80
80048	71043	304T-17	CPELD	Desi	15	95
80049	71044	304T-20	CPELD	Desi	20	80
80050	71045	ICC 12512-3	CPELD	Desi	15	90
80051	ILC482				85	90
80052	71046	ICC 12512-9	CPELD	Desi	5	100
80053	71047	ICC 12512-10	CPELD	Desi	0	80
80054	71048	316B-42	CPELD	Desi	0	0
80055	71049	318B-59	CPELD	Desi	20	100
80056	71050	318B-60	CPELD	Desi	5	30
80057	71051	296T-4	CPELD	Desi	20	100
80058	71052	296T-11	CPELD	Desi	30	100
80059	71053	296T-40	CPELD	Desi	15	90
80060	71054	296T-54	CPELD	Desi	20	80
80061	ILC482				75	75
80062	71055	294T-1	CPELD	Desi	0	0
80063	71056	294T-16	CPELD	Desi	0	0
80064	71057	294T-18	CPELD	Desi	0	15
80065	71058	277-4	CPELD	Desi	0	0
80066	71059	ICC 12512-15	CPELD	Desi	0	50
80067	71060	294T-11	CPELD	Desi	10	20
80068	71061	Sanford	CPELK	Kabuli	10	80
80069	71062	CDC Xena	CPELK	Kabuli	0	80
80070	71063	Amit	CPELK	Kabuli	15	100
80071	ILC482				30	85
80072	71064	CDC Frontier	CPELK	Kabuli	5	75
80073	71065	FLIP 98-17C	CPELK	Kabuli	0	80
80074	71066	FLIP 98-81C	CPELK	Kabuli	0	0
80075	71067	264-1	CPELK	Kabuli	25	100
80076	71068	CDC Chichi	CPELK	Kabuli	15	90
80077	71069	FLIP 97-101C	CPELK	Kabuli	30	100
80078	71070	FLIP 98-135C	CPELK	Kabuli	0	50
80079	71071	265-1	CPELK	Kabuli	0	40
80080	71072	FLIP 97-120C	CPELK	Kabuli	10	100
80081	ILC482				75	100
80082	71073	FLIP 98-110C	CPELK	Kabuli	0	80
80083	71074	FLIP 97-45C	CPELK	Kabuli	40	100
80084	71075	242-2	CPELK	Kabuli	0	35
80085	71076	285T-1	CPELK	Kabuli	0	20
80086	71077	FLIP 98-134C	CPELK	Kabuli	0	65
80087	71078	291S-1	CPELK	Kabuli	10	60
80088	71079	561-1	F3 MP	Kabuli	25	100
80089	71080	561-2	F3 MP	Kabuli	0	100
80090	71081	561-3	F3 MP	Kabuli	20	100
80091	ILC482				25	70
80092	71082	561-4	F3 MP	Kabuli	50	100
80093	71083	561-5	F3 MP	Kabuli	35	100
80094	71084	561-6	F3 MP	Kabuli	5	95

80095	71085	561-7	F3 MP	Kabuli	0	95
80096	71086	561-8	F3 MP	Kabuli	0	100
80097	71087	561-9	F3 MP	Kabuli	15	90
80098	71088	561-10	F3 MP	Kabuli	5	100
80099	71089	561-11	F3 MP	Kabuli	15	100
80100	71090	561-12	F3 MP	Kabuli	20	95
80101	ILC482				5	95
80102	71091	561-13	F3 MP	Kabuli	0	85
80103	71092	561-14	F3 MP	Kabuli	5	60
80104	71093	561-15	F3 MP	Kabuli	5	100
80105	71094	561-16	F3 MP	Kabuli	30	100
80106	71095	561-17	F3 MP	Kabuli	25	100
80107	71096	561-18	F3 MP	Kabuli	15	100
80108	71097	561-19	F3 MP	Kabuli	75	100
80109	71098	561-20	F3 MP	Kabuli	5	100
80110	71099	561-21	F3 MP	Kabuli	5	100
80111	ILC482				10	100
80112	71100	561-22	F3 MP	Kabuli	10	100
80113	71101	561-23	F3 MP	Kabuli	25	100
80114	71102	561-24	F3 MP	Kabuli	30	100
80115	71103	561-25	F3 MP	Kabuli	80	100
80116	71104	561-26	F3 MP	Kabuli	5	100
80117	71105	561-27	F3 MP	Kabuli	10	100
80118	71106	561-28	F3 MP	Kabuli	15	100
80119	71107	561-29	F3 MP	Kabuli	5	95
80120	71108	561-30	F3 MP	Kabuli	55	100
80121	ILC482				5	50
80122	71109	561-31	F3 MP	Kabuli	80	100
80123	71110	561-32	F3 MP	Kabuli	80	100
80124	71111	561-33	F3 MP	Kabuli	15	100
80125	71112	561-34	F3 MP	Kabuli	25	100
80126	71113	561-35	F3 MP	Kabuli	5	100
80127	71114	561-36	F3 MP	Kabuli	0	100
80128	71115	561-37	F3 MP	Kabuli	90	100
80129	71116	561-38	F3 MP	Kabuli	30	100
80130	71117	561-39	F3 MP	Kabuli	65	100
80131	ILC482				35	90
80132	71118	561-40	F3 MP	Kabuli	40	100
80133	71119	561-41	F3 MP	Kabuli	25	100
80134	71120	561-42	F3 MP	Kabuli	90	100
80135	71121	561-43	F3 MP	Kabuli	30	100
80136	71122	561-44	F3 MP	Kabuli	5	100
80137	71123	561-45	F3 MP	Kabuli	65	100
80138	71124	561-46	F3 MP	Kabuli	70	100
80139	71125	561-47	F3 MP	Kabuli	25	100
80140	71126	561-48	F3 MP	Kabuli	5	100
80141	ILC482				30	90
80142	71127	561-49	F3 MP	Kabuli	80	100
80143	71128	561-50	F3 MP	Kabuli	5	100
80144	71129	561-51	F3 MP	Kabuli	0	100

80145	71130	561-52	F3 MP	Kabuli	25	100
80146	71131	561-53	F3 MP	Kabuli	40	100
80147	71132	561-54	F3 MP	Kabuli	15	85
80148	71133	561-55	F3 MP	Kabuli	10	90
80149	71134	561-56	F3 MP	Kabuli	15	100
80150	71135	561-57	F3 MP	Kabuli	20	100
80151	ILC482				30	100
80152	71136	561-58	F3 MP	Kabuli	10	100
80153	71137	603-1	F3 MP	Kabuli	0	50
80154	71138	603-2	F3 MP	Kabuli	0	25
80155	71139	603-3	F3 MP	Kabuli	5	70
80156	71140	603-4	F3 MP	Kabuli	5	85
80157	71141	603-5	F3 MP	Kabuli	0	60
80158	71142	603-6	F3 MP	Kabuli	0	80
80159	71143	603-7	F3 MP	Kabuli	5	15
80160	71144	603-8	F3 MP	Kabuli	0	0
80161	ILC482				45	90
80162	71145	603-9	F3 MP	Kabuli	10	30
80163	71146	603-10	F3 MP	Kabuli	0	30
80164	71147	603-11	F3 MP	Kabuli	10	35
80165	71148	603-12	F3 MP	Kabuli	5	80
80166	71149	582-1	F3 MP	Kabuli	0	100
80167	71150	582-2	F3 MP	Kabuli	0	95
80168	71151	582-3	F3 MP	Kabuli	20	100
80169	71152	582-4	F3 MP	Kabuli	15	100
80170	71153	582-5	F3 MP	Kabuli	35	100
80171	ILC482				25	100
80172	71154	582-6	F3 MP	Kabuli	0	100
80173	71155	582-7	F3 MP	Kabuli	50	100
80174	71156	582-8	F3 MP	Kabuli	0	100
80175	71157	582-9	F3 MP	Kabuli	20	100
80176	71158	582-10	F3 MP	Kabuli	15	85
80177	71159	582-11	F3 MP	Kabuli	15	90
80178	71160	582-12	F3 MP	Kabuli	10	100
80179	71161	582-13	F3 MP	Kabuli	75	80
80180	71162	582-14	F3 MP	Kabuli	0	95
80181	ILC482				80	100
80182	71163	582-15	F3 MP	Kabuli	45	100
80183	71164	582-16	F3 MP	Kabuli	25	90
80184	71165	582-17	F3 MP	Kabuli	5	85
80185	71166	582-18	F3 MP	Kabuli	5	85
80186	71167	582-19	F3 MP	Kabuli	0	95
80187	71168	582-20	F3 MP	Kabuli	35	100
80188	71169	582-21	F3 MP	Kabuli	20	90
80189	71170	582-22	F3 MP	Kabuli	10	80
80190	71171	582-23	F3 MP	Kabuli	0	80
80191	ILC482				30	75
80192	71172	582-24	F3 MP	Kabuli	0	90
80193	71173	576-1	F3 MP	Kabuli	25	90
80194	71174	576-2	F3 MP	Kabuli	25	100

80195	71175	576-3	F3 MP	Kabuli	25	100
80196	71176	576-4	F3 MP	Kabuli	25	100
80197	71177	576-5	F3 MP	Kabuli	35	100
80198	71178	576-6	F3 MP	Kabuli	15	95
80199	71179	576-7	F3 MP	Kabuli	20	80
80200	71180	576-8	F3 MP	Kabuli	0	90
80201	ILC482				75	100
80202	71181	576-9	F3 MP	Kabuli	90	100
80203	71182	576-10	F3 MP	Kabuli	30	100
80204	71183	576-11	F3 MP	Kabuli	75	95
80205	71184	589-1	F3 MP	Kabuli	10	80
80206	71185	589-2	F3 MP	Kabuli	5	100
80207	71186	589-3	F3 MP	Kabuli	75	80
80208	71187	589-4	F3 MP	Kabuli	0	100
80209	71188	589-5	F3 MP	Kabuli	25	90
80210	71189	589-6	F3 MP	Kabuli	25	95
80211	ILC482				15	50
80212	71190	589-7	F3 MP	Kabuli	0	70
80213	71191	589-8	F3 MP	Kabuli	5	95
80214	71192	589-9	F3 MP	Kabuli	35	85
80215	71193	589-10	F3 MP	Kabuli	0	75
80216	71194	589-11	F3 MP	Kabuli	0	80
80217	71195	589-12	F3 MP	Kabuli	10	100
80218	71196	589-13	F3 MP	Kabuli	50	80
80219	71197	589-14	F3 MP	Kabuli	5	65
80220	71198	589-15	F3 MP	Kabuli	0	80
80221	ILC482				65	100
80222	71199	589-16	F3 MP	Kabuli	45	75
80223	71200	589-17	F3 MP	Kabuli	5	75
80224	71201	589-18	F3 MP	Kabuli	20	85
80225	71202	589-19	F3 MP	Kabuli	5	100
80226	71203	589-20	F3 MP	Kabuli	30	90
80227	71204	589-21	F3 MP	Kabuli	15	70
80228	71205	589-22	F3 MP	Kabuli	0	100
80229	71206	589-23	F3 MP	Kabuli	15	80
80230	71207	589-24	F3 MP	Kabuli	0	95
80231	ILC482				75	100
80232	71208	589-25	F3 MP	Kabuli	0	50
80233	71209	589-26	F3 MP	Kabuli	5	50
80234	71210	589-27	F3 MP	Kabuli	0	50
80235	71211	589-28	F3 MP	Kabuli	5	50
80236	71212	589-29	F3 MP	Kabuli	5	50
80237	71213	589-30	F3 MP	Kabuli	45	100
80238	71214	589-31	F3 MP	Kabuli	40	95
80239	71215	589-32	F3 MP	Kabuli	30	100
80240	71216	589-33	F3 MP	Kabuli	10	90
80241	ILC482				75	80
80242	71217	589-34	F3 MP	Kabuli	20	85
80243	71218	589-35	F3 MP	Kabuli	15	95
80244	71219	589-36	F3 MP	Kabuli	5	95

80245	71220	589-37	F3 MP	Kabuli	15	100
80246	71221	589-38	F3 MP	Kabuli	0	25
80247	71222	589-39	F3 MP	Kabuli	15	90
80248	71223	589-40	F3 MP	Kabuli	10	100
80249	71224	589-41	F3 MP	Kabuli	15	100
80250	71225	589-42	F3 MP	Kabuli	10	100
80251	ILC482				30	85
80252	71226	589-43	F3 MP	Kabuli	0	100
80253	71227	589-44	F3 MP	Kabuli	25	100
80254	71228	589-45	F3 MP	Kabuli	75	100
80255	71229	589-46	F3 MP	Kabuli	25	100
80256	71230	589-47	F3 MP	Kabuli	0	70
80257	71231	589-48	F3 MP	Kabuli	80	100
80258	71232	589-49	F3 MP	Kabuli	25	100
80259	71233	589-50	F3 MP	Kabuli	25	95
80260	71234	589-51	F3 MP	Kabuli	25	100
80261	ILC482				50	80
80262	71235	589-52	F3 MP	Kabuli	60	100
80263	71236	589-53	F3 MP	Kabuli	0	100
80264	71237	589-54	F3 MP	Kabuli	0	100
80265	71238	589-55	F3 MP	Kabuli	25	100
80266	71239	589-56	F3 MP	Kabuli	10	100
80267	71240	589-57	F3 MP	Kabuli	0	50
80268	71241	589-58	F3 MP	Kabuli	30	100
80269	71242	589-59	F3 MP	Kabuli	30	100
80270	71243	589-60	F3 MP	Kabuli	30	100
80271	ILC482				80	95
80272	71244	589-61	F3 MP	Kabuli	15	100
80273	71245	589-62	F3 MP	Kabuli	5	100
80274	71246	589-63	F3 MP	Kabuli	30	100
80275	71247	589-64	F3 MP	Kabuli	55	100
80276	71248	589-65	F3 MP	Kabuli	10	100
80277	71249	589-66	F3 MP	Kabuli	0	50
80278	71250	589-67	F3 MP	Kabuli	20	80
80279	71251	589-68	F3 MP	Kabuli	0	90
80280	71252	560-1	F3 MP	Kabuli	25	100
80281	ILC482				55	90
80282	71253	560-2	F3 MP	Kabuli	80	100
80283	71254	560-3	F3 MP	Kabuli	95	100
80284	71255	560-4	F3 MP	Kabuli	50	100
80285	71256	560-5	F3 MP	Kabuli	75	100
80286	71257	560-6	F3 MP	Kabuli	45	100
80287	71258	560-7	F3 MP	Kabuli	30	100
80288	71259	560-8	F3 MP	Kabuli	20	100
80289	71260	560-9	F3 MP	Kabuli	35	100
80290	71261	560-10	F3 MP	Kabuli	100	100
80291	ILC482				20	70
80292	71262	560-11	F3 MP	Kabuli	55	100
80293	71263	560-12	F3 MP	Kabuli	100	100
80294	71264	560-13	F3 MP	Kabuli	35	100

80295	71265	560-14
80296	71266	560-15
80297	71267	560-16
80298	71268	560-17
80299	71269	560-18
80300	71270	560-19
80301	ILC482	
80302	71271	560-20
80303	71272	560-21
80304	71273	560-22
80305	71274	560-23
80306	71275	560-24
80307	71276	560-25
80308	71277	560-26
80309	71278	560-27
80310	71279	560-28
80311	ILC482	
80312	71280	560-29
80313	71281	560-30
80314	71282	560-31
80315	71283	560-32
80316	71284	560-33
80317	71285	560-34
80318	71286	560-35
80319	71287	560-36
80320	71288	560-37
80321	ILC482	
80322	71289	560-38
80323	71290	560-39
80324	71291	560-40
80325	71292	560-41
80326	71293	560-42
80327	71294	560-43
80328	71295	560-44
80329	71296	560-45
80330	71297	560-46
80331	ILC482	
80332	71298	560-47
80333	71299	560-48
80334	71300	560-49
80335	71301	560-50
80336	71302	560-51
80337	71303	560-52
80338	71304	560-53
80339	71305	560-54
80340	71306	560-55
80341	ILC482	
80342	71307	560-56
80343	71308	560-57
80344	71309	560-58

F3 MP	Kabuli	0	100
F3 MP	Kabuli	60	100
F3 MP	Kabuli	90	95
F3 MP	Kabuli	95	100
F3 MP	Kabuli	65	100
F3 MP	Kabuli	80	100
		60	70
F3 MP	Kabuli	45	90
F3 MP	Kabuli	0	90
F3 MP	Kabuli	15	95
F3 MP	Kabuli	65	95
F3 MP	Kabuli	50	95
F3 MP	Kabuli	25	90
F3 MP	Kabuli	50	100
F3 MP	Kabuli	15	85
F3 MP	Kabuli	5	85
		5	75
F3 MP	Kabuli	5	95
F3 MP	Kabuli	35	100
F3 MP	Kabuli	25	100
F3 MP	Kabuli	45	100
F3 MP	Kabuli	25	90
F3 MP	Kabuli	40	100
F3 MP	Kabuli	40	95
F3 MP	Kabuli	30	100
F3 MP	Kabuli	75	100
		30	75
F3 MP	Kabuli	30	90
F3 MP	Kabuli	50	95
F3 MP	Kabuli	5	75
F3 MP	Kabuli	20	100
F3 MP	Kabuli	60	100
F3 MP	Kabuli	25	100
F3 MP	Kabuli	30	100
F3 MP	Kabuli	75	100
F3 MP	Kabuli	90	100
		15	80
F3 MP	Kabuli	5	85
F3 MP	Kabuli	40	100
F3 MP	Kabuli	90	100
F3 MP	Kabuli	15	90
F3 MP	Kabuli	15	95
F3 MP	Kabuli	10	100
F3 MP	Kabuli	25	95
F3 MP	Kabuli	10	100
F3 MP	Kabuli	0	75
		45	85
F3 MP	Kabuli	25	95
F3 MP	Kabuli	35	95
F3 MP	Kabuli	65	100

80345	71310	560-59	F3 MP	Kabuli	20	100
80346	71311	560-60	F3 MP	Kabuli	10	95
80347	71312	560-61	F3 MP	Kabuli	40	100
80348	71313	560-62	F3 MP	Kabuli	5	60
80349	71314	560-63	F3 MP	Kabuli	70	100
80350	71315	560-64	F3 MP	Kabuli	60	100
80351	ILC482				80	100
80352	71316	560-65	F3 MP	Kabuli	10	100
80353	71317	560-66	F3 MP	Kabuli	10	100
80354	71318	560-67	F3 MP	Kabuli	30	100
80355	71319	560-68	F3 MP	Kabuli	5	100
80356	71320	560-69	F3 MP	Kabuli	30	100
80357	71321	560-70	F3 MP	Kabuli	25	100
80358	71322	560-71	F3 MP	Kabuli	40	100
80359	71323	560-72	F3 MP	Kabuli	25	100
80360	71324	560-73	F3 MP	Kabuli	35	100
80361	ILC482				65	75
80362	71325	560-74	F3 MP	Kabuli	55	100
80363	71326	560-75	F3 MP	Kabuli	60	100
80364	71327	560-76	F3 MP	Kabuli	75	100
80365	71328	560-77	F3 MP	Kabuli	80	100
80366	71329	560-78	F3 MP	Kabuli	45	100
80367	71330	560-79	F3 MP	Kabuli	60	100
80368	71331	560-80	F3 MP	Kabuli	75	100
80369	71332	560-81	F3 MP	Kabuli	35	85
80370	71333	560-82	F3 MP	Kabuli	0	100
80371	ILC482				65	100
80372	71334	560-83	F3 MP	Kabuli	0	100
80373	71335	560-84	F3 MP	Kabuli	55	95
80374	71336	560-85	F3 MP	Kabuli	50	95
80375	71337	560-86	F3 MP	Kabuli	20	90
80376	71338	560-87	F3 MP	Kabuli	20	100
80377	71339	560-88	F3 MP	Kabuli	75	100
80378	71340	560-89	F3 MP	Kabuli	25	100
80379	71341	560-90	F3 MP	Kabuli	10	100
80380	71342	560-91	F3 MP	Kabuli	65	90
80381	ILC482				20	95
80382	71343	560-92	F3 MP	Kabuli	10	95
80383	71344	560-93	F3 MP	Kabuli	0	100
80384	71345	560-94	F3 MP	Kabuli	20	100
80385	71346	560-95	F3 MP	Kabuli	75	100
80386	71347	560-96	F3 MP	Kabuli	30	100
80387	71348	560-97	F3 MP	Kabuli	15	100
80388	71349	560-98	F3 MP	Kabuli	90	100
80389	71350	560-99	F3 MP	Kabuli	55	100
80390	71351	560-100	F3 MP	Kabuli	0	100
80391	ILC482				30	85
80392	71352	560-101	F3 MP	Kabuli	35	100
80393	71353	560-102	F3 MP	Kabuli	20	100
80394	71354	560-103	F3 MP	Kabuli	20	100

80395	71355	560-104	F3 MP	Kabuli	85	100
80396	71356	560-105	F3 MP	Kabuli	55	95
80397	71357	560-106	F3 MP	Kabuli	25	100
80398	71358	560-107	F3 MP	Kabuli	5	95
80399	71359	560-108	F3 MP	Kabuli	65	95
80400	71360	560-109	F3 MP	Kabuli	15	75
80401	ILC482				30	100
80402	71361	560-110	F3 MP	Kabuli	20	100
80403	71362	560-111	F3 MP	Kabuli	35	100
80404	71363	560-112	F3 MP	Kabuli	20	100
80405	71364	560-113	F3 MP	Kabuli	30	100
80406	71365	560-114	F3 MP	Kabuli	40	100
80407	71366	560-115	F3 MP	Kabuli	100	100
80408	71367	560-116	F3 MP	Kabuli	35	100
80409	71368	560-117	F3 MP	Kabuli	80	100
80410	71369	560-118	F3 MP	Kabuli	25	80
80411	ILC482				45	75
80412	71370	560-119	F3 MP	Kabuli	50	100
80413	71371	560-120	F3 MP	Kabuli	80	100
80414	71372	560-121	F3 MP	Kabuli	50	100
80415	71373	560-122	F3 MP	Kabuli	15	100
80416	71374	560-123	F3 MP	Kabuli	50	100
80417	71375	560-124	F3 MP	Kabuli	50	95
80418	71376	560-125	F3 MP	Kabuli	5	95
80419	71377	560-126	F3 MP	Kabuli	30	95
80420	71378	560-127	F3 MP	Kabuli	25	95
80421	ILC482				35	80
80422	71379	560-128	F3 MP	Kabuli	40	95
80423	71380	560-129	F3 MP	Kabuli	25	100
80424	71381	560-130	F3 MP	Kabuli	75	100
80425	71382	560-131	F3 MP	Kabuli	50	100
80426	71383	560-132	F3 MP	Kabuli	50	100
80427	71384	560-133	F3 MP	Kabuli	20	100
80428	71385	560-134	F3 MP	Kabuli	20	100
80429	71386	560-135	F3 MP	Kabuli	90	100
80430	71387	560-136	F3 MP	Kabuli	55	100
80431	ILC482				50	100
80432	71388	560-137	F3 MP	Kabuli	80	100
80433	71389	560-138	F3 MP	Kabuli	30	100
80434	71390	560-139	F3 MP	Kabuli	25	100
80435	71391	560-140	F3 MP	Kabuli	0	95
80436	71392	560-141	F3 MP	Kabuli	30	100
80437	71393	560-142	F3 MP	Kabuli	20	100
80438	71394	560-143	F3 MP	Kabuli	40	100
80439	71395	560-144	F3 MP	Kabuli	25	100
80440	71396	560-145	F3 MP	Kabuli	60	100
80441	ILC482				40	90
80442	71397	560-146	F3 MP	Kabuli	35	100
80443	71398	560-147	F3 MP	Kabuli	25	100
80444	71399	560-148	F3 MP	Kabuli	60	100

80445	71400	560-149	F3 MP	Kabuli	75	100
80446	71401	560-150	F3 MP	Kabuli	25	100
80447	71402	560-151	F3 MP	Kabuli	75	100
80448	71403	560-152	F3 MP	Kabuli	80	100
80449	71404	560-153	F3 MP	Kabuli	80	100
80450	71405	560-154	F3 MP	Kabuli	80	100
80451	ILC482				50	95
80452	71406	560-155	F3 MP	Kabuli	75	100
80453	71407	560-156	F3 MP	Kabuli	100	100
80454	71408	560-157	F3 MP	Kabuli	95	100
80455	71409	560-158	F3 MP	Kabuli	90	100
80456	71410	560-159	F3 MP	Kabuli	75	100
80457	71411	560-160	F3 MP	Kabuli	100	100
80458	71412	560-161	F3 MP	Kabuli	15	100
80459	71413	560-162	F3 MP	Kabuli	25	100
80460	71414	560-163	F3 MP	Kabuli	80	100
80461	ILC482				80	90
80462	71415	560-164	F3 MP	Kabuli	75	90
80463	71416	560-165	F3 MP	Kabuli	80	90
80464	71417	560-166	F3 MP	Kabuli	80	100
80465	71418	560-167	F3 MP	Kabuli	85	100
80466	71419	560-168	F3 MP	Kabuli	50	100
80467	71420	560-169	F3 MP	Kabuli	60	100
80468	71421	560-170	F3 MP	Kabuli	55	100
80469	71422	560-171	F3 MP	Kabuli	95	100
80470	71423	560-172	F3 MP	Kabuli	55	100
80471	ILC482				60	80
80472	71424	560-173	F3 MP	Kabuli	60	95
80473	71425	560-174	F3 MP	Kabuli	10	100
80474	71426	560-175	F3 MP	Kabuli	50	100
80475	71427	560-176	F3 MP	Kabuli	5	80
80476	71428	535-1	F3 MP	Kabuli	5	95
80477	71429	535-2	F3 MP	Kabuli	5	95
80478	71430	535-3	F3 MP	Kabuli	0	85
80479	71431	535-4	F3 MP	Kabuli	0	90
80480	71432	535-5	F3 MP	Kabuli	0	85
80481	ILC482				0	85
80482	71433	535-6	F3 MP	Kabuli	5	100
80483	71434	534-1	F3 MP	Kabuli	0	100
80484	71435	534-2	F3 MP	Kabuli	5	85
80485	71436	534-3	F3 MP	Kabuli	0	60
80486	71437	534-4	F3 MP	Kabuli	5	60
80487	71438	534-5	F3 MP	Kabuli	0	0
80488	71439	604-125	F3 MP	Kabuli	0	5
80489	71440	604-126	F3 MP	Kabuli	0	0
80490	71441	604-127	F3 MP	Kabuli	0	0
80491	ILC482				30	80
80492	71442	604-128	F3 MP	Kabuli	0	15
80493	71443	604-129	F3 MP	Kabuli	0	0
80494	71444	604-130	F3 MP	Kabuli	0	0

80495	71445	604-131	F3 MP	Kabuli	0	0
80496	71446	604-132	F3 MP	Kabuli	0	0
80497	71447	604-133	F3 MP	Kabuli	0	0
80498	71448	604-134	F3 MP	Kabuli	0	0
80499	71449	604-135	F3 MP	Kabuli	0	0
80500	71450	604-136	F3 MP	Kabuli	0	0
80501	ILC482				55	55
80502	71451	604-137	F3 MP	Kabuli	0	0
80503	71452	604-138	F3 MP	Kabuli	0	0
80504	71453	604-139	F3 MP	Kabuli	0	0
80505	71454	604-140	F3 MP	Kabuli	0	0
80506	71455	604-141	F3 MP	Kabuli	0	0
80507	71456	604-142	F3 MP	Kabuli	0	0
80508	71457	604-143	F3 MP	Kabuli	0	0
80509	71458	604-144	F3 MP	Kabuli	0	0
80510	71459	604-145	F3 MP	Kabuli	0	0
80511	ILC482				40	80
80512	71460	604-146	F3 MP	Kabuli	0	0
80513	71461	604-147	F3 MP	Kabuli	0	0
80514	71462	604-148	F3 MP	Kabuli	0	0
80515	71463	604-149	F3 MP	Kabuli	0	0
80516	71464	604-150	F3 MP	Kabuli	0	0
80517	71465	604-151	F3 MP	Kabuli	0	0
80518	71466	604-152	F3 MP	Kabuli	0	0
80519	71467	604-153	F3 MP	Kabuli	0	0
80520	71468	604-154	F3 MP	Kabuli	0	0
80521	ILC482				75	80
80522	71469	604-155	F3 MP	Kabuli	0	0
80523	71470	604-156	F3 MP	Kabuli	0	0
80524	71471	604-157	F3 MP	Kabuli	0	0
80525	71472	604-158	F3 MP	Kabuli	0	25
80526	71473	604-159	F3 MP	Kabuli	0	0
80527	71474	604-160	F3 MP	Kabuli	0	0
80528	71475	604-161	F3 MP	Kabuli	0	5
80529	71476	604-162	F3 MP	Kabuli	0	0
80530	71477	604-163	F3 MP	Kabuli	10	10
80531	ILC482				40	75
80532	71478	604-164	F3 MP	Kabuli	0	0
80533	71479	604-165	F3 MP	Kabuli	0	0
80534	71480	604-166	F3 MP	Kabuli	0	0
80535	71481	604-167	F3 MP	Kabuli	0	0
80536	71482	604-168	F3 MP	Kabuli	0	5
80537	71483	604-169	F3 MP	Kabuli	0	5
80538	71484	604-170	F3 MP	Kabuli	0	5
80539	71485	604-171	F3 MP	Kabuli	0	15
80540	71486	604-172	F3 MP	Kabuli	0	0
80541	ILC482				45	75
80542	71487	604-173	F3 MP	Kabuli	0	0
80543	71488	604-174	F3 MP	Kabuli	0	0
80544	71489	604-175	F3 MP	Kabuli	0	5

80545	71490	604-176	F3 MP	Kabuli	10	10
80546	71491	604-177	F3 MP	Kabuli	0	10
80547	71492	604-178	F3 MP	Kabuli	0	0
80548	71493	604-179	F3 MP	Kabuli	0	0
80549	71494	604-180	F3 MP	Kabuli	35	50
80550	71495	604-181	F3 MP	Kabuli	5	5
80551	ILC482				35	85
80552	71496	604-182	F3 MP	Kabuli	0	15
80553	71497	604-183	F3 MP	Kabuli	95	100
80554	71498	604-184	F3 MP	Kabuli	0	0
80555	71499	604-185	F3 MP	Kabuli	0	0
80556	71500	604-186	F3 MP	Kabuli	15	100
80557	71501	604-187	F3 MP	Kabuli	0	0
80558	71502	604-188	F3 MP	Kabuli	0	10
80559	71503	604-189	F3 MP	Kabuli	0	5
80560	71504	604-190	F3 MP	Kabuli	20	65
80561	ILC482				40	85
80562	71505	604-191	F3 MP	Kabuli	0	0
80563	71506	604-192	F3 MP	Kabuli	0	0
80564	71507	604-193	F3 MP	Kabuli	0	0
80565	71508	604-194	F3 MP	Kabuli	0	0
80566	71509	604-195	F3 MP	Kabuli	0	0
80567	71510	604-196	F3 MP	Kabuli	0	5
80568	71511	604-197	F3 MP	Kabuli	20	30
80569	71512	604-198	F3 MP	Kabuli	0	0
80570	71513	604-199	F3 MP	Kabuli	0	0
80571	ILC482				20	90
80572	71514	604-200	F3 MP	Kabuli	0	0
80573	71515	604-201	F3 MP	Kabuli	0	5
80574	71516	604-202	F3 MP	Kabuli	20	95
80575	71517	604-203	F3 MP	Kabuli	0	25
80576	71518	604-204	F3 MP	Kabuli	0	0
80577	71519	604-205	F3 MP	Kabuli	0	0
80578	71520	604-206	F3 MP	Kabuli	0	5
80579	71521	604-207	F3 MP	Kabuli	0	0
80580	71522	604-208	F3 MP	Kabuli	0	10
80581	ILC482				40	90
80582	71523	604-209	F3 MP	Kabuli	35	100
80583	71524	604-210	F3 MP	Kabuli	15	60
80584	71525	604-211	F3 MP	Kabuli	25	25
80585	71526	604-212	F3 MP	Kabuli	0	0
80586	71527	604-213	F3 MP	Kabuli	0	0
80587	71528	598-21	F3 MP	Kabuli	0	0
80588	71529	598-22	F3 MP	Kabuli	25	95
80589	71530	598-23	F3 MP	Kabuli	0	25
80590	71531	598-24	F3 MP	Kabuli	0	0
80591	ILC482				55	70
80592	71532	598-25	F3 MP	Kabuli	10	95
80593	71533	598-26	F3 MP	Kabuli	35	100
80594	71534	598-27	F3 MP	Kabuli	10	100

80595	71535	598-28
80596	71536	598-29
80597	71537	598-30
80598	71538	598-31
80599	71539	598-32
80600	71540	598-33
80601	ILC482	
80602	71541	598-34
80603	71542	598-35
80604	71543	598-36
80605	71544	598-37
80606	71545	598-38
80607	71546	598-39
80608	71547	598-40
80609	71548	598-41
80610	71549	598-42
80611	ILC482	
80612	71550	598-43
80613	71551	598-44
80614	71552	598-45
80615	71553	598-46
80616	71554	598-47
80617	71555	598-48
80618	71556	598-49
80619	71557	598-50
80620	71558	598-51
80621	ILC482	
80622	71559	598-52
80623	71560	598-53
80624	71561	598-54
80625	71562	598-55
80626	71563	598-56
80627	71564	598-57
80628	71565	598-58
80629	71566	598-59
80630	71567	598-60
80631	ILC482	
80632	71568	598-61
80633	71569	598-62
80634	71570	598-63
80635	71571	598-64
80636	71572	598-65
80637	71573	598-66
80638	71574	605-31
80639	71575	605-32
80640	71576	605-33
80641	ILC482	
80642	71577	605-34
80643	71578	605-35
80644	71579	605-36

F3 MP	Kabuli	0	40
F3 MP	Kabuli	30	60
F3 MP	Kabuli	0	15
F3 MP	Kabuli	5	65
F3 MP	Kabuli	5	85
F3 MP	Kabuli	0	50
		75	90
F3 MP	Kabuli	0	85
F3 MP	Kabuli	0	50
F3 MP	Kabuli	0	40
F3 MP	Kabuli	10	55
F3 MP	Kabuli	0	80
F3 MP	Kabuli	30	100
F3 MP	Kabuli	25	95
F3 MP	Kabuli	0	75
F3 MP	Kabuli	0	20
		25	95
F3 MP	Kabuli	5	20
F3 MP	Kabuli	30	100
F3 MP	Kabuli	5	80
F3 MP	Kabuli	5	90
F3 MP	Kabuli	5	25
F3 MP	Kabuli	5	100
F3 MP	Kabuli	30	60
F3 MP	Kabuli	0	0
F3 MP	Kabuli	0	0
		80	95
F3 MP	Kabuli	10	60
F3 MP	Kabuli	10	85
F3 MP	Kabuli	0	0
F3 MP	Kabuli	0	85
F3 MP	Kabuli	5	75
F3 MP	Kabuli	5	40
F3 MP	Kabuli	0	0
F3 MP	Kabuli	20	20
F3 MP	Kabuli	0	0
		35	85
F3 MP	Kabuli	0	30
F3 MP	Kabuli	40	95
F3 MP	Kabuli	20	75
F3 MP	Kabuli	75	95
F3 MP	Kabuli	15	30
F3 MP	Kabuli	90	100
F3 MP	Kabuli	20	40
F3 MP	Kabuli	20	100
F3 MP	Kabuli	0	0
		45	80
F3 MP	Kabuli	25	100
F3 MP	Kabuli	0	0
F3 MP	Kabuli	15	30

80645	71580	605-37	F3 MP	Kabuli	30	100
80646	71581	605-38	F3 MP	Kabuli	0	0
80647	71582	605-39	F3 MP	Kabuli	30	40
80648	71583	605-40	F3 MP	Kabuli	0	0
80649	71584	605-41	F3 MP	Kabuli	20	40
80650	71585	605-42	F3 MP	Kabuli	0	0
80651	ILC482				45	85
80652	71586	Myles	CPRTD	Desi	0	0
80653	71587	CDC Desiray	CPRTD	Desi	0	0
80654	71588	CDC Anna	CPRTD	Desi	0	0
80655	71589	CDC Nika	CPRTD	Desi	0	5
80656	71590	CDC Cabri	CPRTD	Desi	0	5
80657	71591	222B-11	CPRTD	Desi	5	100
80658	71592	304-22	CPRTD	Desi	0	85
80659	71593	304-31	CPRTD	Desi	25	85
80660	71594	304-40	CPRTD	Desi	0	90
80661	ILC482				60	80
80662	71595	221-24	CPRTD	Desi	0	0
80663	71596	ICC 12512-1	CPRTD	Desi	5	60
80664	71597	356-6	CPRTD	Desi	0	0
80665	71598	Sanford	CPRTK	Kabuli	5	80
80666	71599	Amit	CPRTK	Kabuli	10	100
80667	71600	CDC Xena	CPRTK	Kabuli	0	75
80668	71601	CDC ChiChi	CPRTK	Kabuli	0	35
80669	71602	CDC Frontier	CPRTK	Kabuli	5	75
80670	71603	95NN-12	CPRTK	Kabuli	30	100
80671	ILC482				60	85
80672	71604	97-Indian2-112	CPRTK	Kabuli	0	40
80673	71605	242-1	CPRTK	Kabuli	5	100
80674	71606	FLIP 98-136C	CPRTK	Kabuli	30	100
80675	71607	FLIP 82-150C	CPRTK	Kabuli	35	100
80676	71608	FLIP 98-133C	CPRTK	Kabuli	0	40
80677	71609	FLIP 97-133C	CPRTK	Kabuli	45	95
80678	71610	Xena	CPAYT01	Kabuli	0	100
80679	71611	Frontier	CPAYT01	Kabuli	0	85
80680	71612	Amit	CPAYT01	Kabuli	35	100
80681	ILC482				80	85
80682	71613	438as-39	CPAYT01	Kabuli	45	100
80683	71614	447S-29	CPAYT01	Kabuli	50	100
80684	71615	447S-31	CPAYT01	Kabuli	25	80
80685	71616	447S-32	CPAYT01	Kabuli	90	100
80686	71617	447S-36	CPAYT01	Kabuli	10	100
80687	71618	447S-37	CPAYT01	Kabuli	0	80
80688	71619	380T-50	CPAYT01	Kabuli	5	90
80689	71620	438bs-10	CPAYT01	Kabuli	5	100
80690	71621	438bs-29	CPAYT01	Kabuli	25	100
80691	ILC482				60	75
80692	71622	438bs-30	CPAYT01	Kabuli	10	75
80693	71623	312B-5	CPAYT01	Kabuli	15	85
80694	71624	312B-9	CPAYT01	Kabuli	10	75

80695	71625	312B-17	CPAYT01	Kabuli	25	100
80696	71626	312B-19	CPAYT01	Kabuli	10	95
80697	71627	441as-12	CPAYT01	Kabuli	25	90
80698	71628	441as-20	CPAYT01	Kabuli	25	90
80699	71629	439bs-2	CPAYT01	Kabuli	25	100
80700	71630	439bs-3	CPAYT01	Kabuli	5	100
80701	ILC482				80	95
80702	71631	397s-4	CPAYT01	Kabuli	0	75
80703	71632	239-8	CPAYT01	Kabuli	25	100
80704	71633	239-25	CPAYT01	Kabuli	0	0
80705	71634	239-27	CPAYT01	Kabuli	25	95
80706	71635	385S-1	CPAYT01	Kabuli	15	0
80707	71636	385S-11	CPAYT01	Kabuli	5	40
80708	71637	439as-7	CPAYT01	Kabuli	15	100
80709	71638	439as-12	CPAYT01	Kabuli	35	95
80710	71639	439as-33	CPAYT01	Kabuli	25	95
80711	ILC482				50	80
80712	71640	439as-35	CPAYT01	Kabuli	0	100
80713	71641	439as-38	CPAYT01	Kabuli	0	100
80714	71642	378aT-12	CPAYT01	Kabuli	35	100
80715	71643	FLIP 98-233C	CPAYT01	Kabuli	10	25
80716	71644	FLIP 98-70C	CPAYT01	Kabuli	15	85
80717	71645	FLIP 98-77C	CPAYT01	Kabuli	5	40
80718	71646	Xena	CPAYT02	Kabuli	20	60
80719	71647	Frontier	CPAYT02	Kabuli	20	100
80720	71648	Amit	CPAYT02	Kabuli	25	100
80721	ILC482				60	85
80722	71649	328S-8	CPAYT02	Kabuli	10	100
80723	71650	438as-25	CPAYT02	Kabuli	0	90
80724	71651	438as-67	CPAYT02	Kabuli	0	100
80725	71652	372T-8	CPAYT02	Kabuli	50	100
80726	71653	380T-17	CPAYT02	Kabuli	20	100
80727	71654	380T-42	CPAYT02	Kabuli	5	100
80728	71655	380T-72	CPAYT02	Kabuli	25	90
80729	71656	438bs-6	CPAYT02	Kabuli	30	90
80730	71657	438bs-22	CPAYT02	Kabuli	10	95
80731	ILC482				40	100
80732	71658	441as-4	CPAYT02	Kabuli	0	90
80733	71659	441as-16	CPAYT02	Kabuli	30	95
80734	71660	441as-17	CPAYT02	Kabuli	20	75
80735	71661	441as-18	CPAYT02	Kabuli	5	100
80736	71662	441as-29	CPAYT02	Kabuli	5	100
80737	71663	441as-31	CPAYT02	Kabuli	5	80
80738	71664	441as-34	CPAYT02	Kabuli	0	100
80739	71665	388s-2	CPAYT02	Kabuli	0	100
80740	71666	388s-5	CPAYT02	Kabuli	0	80
80741	ILC482				50	95
80742	71667	382s-1	CPAYT02	Kabuli	10	100
80743	71668	397s-1	CPAYT02	Kabuli	0	60
80744	71669	442S-17	CPAYT02	Kabuli	0	80

80745	71670	369S-5	CPAYT02	Kabuli	0	95
80746	71671	467T-9	CPAYT02	Kabuli	25	100
80747	71672	467T-16	CPAYT02	Kabuli	5	95
80748	71673	467T-20	CPAYT02	Kabuli	0	100
80749	71674	467T-29	CPAYT02	Kabuli	75	100
80750	71675	469T-6	CPAYT02	Kabuli	10	95
80751	ILC482				40	75
80752	71676	469T-12	CPAYT02	Kabuli	0	100
80753	71677	385S-10	CPAYT02	Kabuli	0	70
80754	71678	385S-12	CPAYT02	Kabuli	10	95
80755	71679	439as-4	CPAYT02	Kabuli	0	95
80756	71680	439as-22	CPAYT02	Kabuli	5	70
80757	71681	443S-2	CPAYT02	Kabuli	10	100
80758	71682	Xena	CPAYT03	Kabuli	0	90
80759	71683	Frontier	CPAYT03	Kabuli	0	80
80760	71684	Amit	CPAYT03	Kabuli	20	100
80761	ILC482				80	95
80762	71685	Chichi	CPAYT03	Kabuli	0	80
80763	71686	438as-17	CPAYT03	Kabuli	5	80
80764	71687	438as-26	CPAYT03	Kabuli	5	95
80765	71688	438as-38	CPAYT03	Kabuli	25	100
80766	71689	438as-42	CPAYT03	Kabuli	10	90
80767	71690	438as-43	CPAYT03	Kabuli	0	95
80768	71691	438as-54	CPAYT03	Kabuli	5	90
80769	71692	372T-9	CPAYT03	Kabuli	0	95
80770	71693	430S-4	CPAYT03	Kabuli	0	100
80771	ILC482				40	100
80772	71694	238-1	CPAYT03	Kabuli	0	100
80773	71695	376T-2	CPAYT03	Kabuli	15	35
80774	71696	376T-6	CPAYT03	Kabuli	5	50
80775	71697	376T-17	CPAYT03	Kabuli	0	70
80776	71698	441as-2	CPAYT03	Kabuli	0	65
80777	71699	441as-8	CPAYT03	Kabuli	0	80
80778	71700	441as-13	CPAYT03	Kabuli	5	75
80779	71701	441as-27	CPAYT03	Kabuli	0	35
80780	71702	441as-28	CPAYT03	Kabuli	5	10
80781	ILC482				50	85
80782	71703	441as-30	CPAYT03	Kabuli	10	90
80783	71704	441as-43	CPAYT03	Kabuli	5	80
80784	71705	446as-2	CPAYT03	Kabuli	0	75
80785	71706	440s-4	CPAYT03	Kabuli	0	80
80786	71707	382s-3	CPAYT03	Kabuli	0	90
80787	71708	442S-5	CPAYT03	Kabuli	0	90
80788	71709	437S-6	CPAYT03	Kabuli	0	90
80789	71710	469T-3	CPAYT03	Kabuli	0	90
80790	71711	469T-8	CPAYT03	Kabuli	0	50
80791	ILC482				35	85
80792	71712	385S-3	CPAYT03	Kabuli	0	15
80793	71713	385S-4	CPAYT03	Kabuli	0	30
80794	71714	385S-8	CPAYT03	Kabuli	0	10

80795	71715	394S-1	CPAYT03	Kabuli	0	10
80796	71716	247-1	CPAYT03	Kabuli	0	20
80797	71717	FLIP 98-123C	CPAYT03	Kabuli	0	80
80798	71718	Myles	CPAYT04	Desi	0	0
80799	71719	Desiray	CPAYT04	Desi	0	0
80800	71720	Anna	CPAYT04	Desi	0	0
80801	ILC482				60	85
80802	71721	Nika	CPAYT04	Desi	0	0
80803	71722	Cabri	CPAYT04	Desi	0	0
80804	71723	484T-14	CPAYT04	Desi	0	0
80805	71724	418as-60	CPAYT04	Desi	0	0
80806	71725	418aS-64	CPAYT04	Desi	0	0
80807	71726	418aS-76	CPAYT04	Desi	0	25
80808	71727	418aS-85	CPAYT04	Desi	0	0
80809	71728	418aS-135	CPAYT04	Desi	0	0
80810	71729	336S-20	CPAYT04	Desi	0	0
80811	ILC482				50	85
80812	71730	477bT-1	CPAYT04	Desi	0	0
80813	71731	425aS-2	CPAYT04	Desi	0	0
80814	71732	425aS-12	CPAYT04	Desi	15	30
80815	71733	457aS-1	CPAYT04	Desi	0	0
80816	71734	418bs-25	CPAYT04	Desi	0	0
80817	71735	418bs-34	CPAYT04	Desi	0	0
80818	71736	418bs-40	CPAYT04	Desi	0	0
80819	71737	418bs-51	CPAYT04	Desi	0	0
80820	71738	418bs-54	CPAYT04	Desi	0	0
80821	ILC482				85	90
80822	71739	418bs-55	CPAYT04	Desi	0	0
80823	71740	418bs-57	CPAYT04	Desi	0	0
80824	71741	418bs-59	CPAYT04	Desi	0	0
80825	71742	418bs-64	CPAYT04	Desi	0	0
80826	71743	418bs-71	CPAYT04	Desi	0	0
80827	71744	418bs-84	CPAYT04	Desi	0	0
80828	71745	418bs-96	CPAYT04	Desi	0	0
80829	71746	418bs-98	CPAYT04	Desi	0	0
80830	71747	418bs-107	CPAYT04	Desi	0	10
80831	ILC482				80	90
80832	71748	418bs-170	CPAYT04	Desi	0	0
80833	71749	418bs-180	CPAYT04	Desi	0	20
80834	71750	418bs-240	CPAYT04	Desi	0	0
80835	71751	418bs-254	CPAYT04	Desi	0	0
80836	71752	418bs-256	CPAYT04	Desi	0	0
80837	71753	456bs-6	CPAYT04	Desi	0	0
80838	71754	Myles	CPAYT05	Desi	0	0
80839	71755	Desiray	CPAYT05	Desi	0	0
80840	71756	Anna	CPAYT05	Desi	50	85
80841	ILC482				50	95
80842	71757	Nika	CPAYT05	Desi	0	15
80843	71758	Cabri	CPAYT05	Desi	15	95
80844	71759	335S-29	CPAYT05	Desi	0	0

80845	71760	335S-38	CPAYT05	Desi	0	0
80846	71761	381T-6	CPAYT05	Desi	0	0
80847	71762	418as-58	CPAYT05	Desi	0	0
80848	71763	418aS-67	CPAYT05	Desi	0	0
80849	71764	418aS-75	CPAYT05	Desi	0	15
80850	71765	418aS-90	CPAYT05	Desi	0	10
80851	ILC482				60	85
80852	71766	418aS-107	CPAYT05	Desi	0	0
80853	71767	418aS-108	CPAYT05	Desi	0	0
80854	71768	336S-11	CPAYT05	Desi	0	0
80855	71769	336S-16	CPAYT05	Desi	0	0
80856	71770	459S-3	CPAYT05	Desi	0	0
80857	71771	418bs-17	CPAYT05	Desi	0	0
80858	71772	418bs-33	CPAYT05	Desi	0	0
80859	71773	418bs-48	CPAYT05	Desi	0	0
80860	71774	418bs-50	CPAYT05	Desi	0	0
80861	ILC482				45	100
80862	71775	418bs-63	CPAYT05	Desi	0	0
80863	71776	418bs-81	CPAYT05	Desi	0	0
80864	71777	418bs-93	CPAYT05	Desi	0	0
80865	71778	418bs-117	CPAYT05	Desi	0	0
80866	71779	418bs-129	CPAYT05	Desi	0	0
80867	71780	418bs-140	CPAYT05	Desi	0	0
80868	71781	418bs-143	CPAYT05	Desi	10	10
80869	71782	418bs-214	CPAYT05	Desi	0	5
80870	71783	457bs-10	CPAYT05	Desi	0	100
80871	ILC482				80	100
80872	71784	421bs-1	CPAYT05	Desi	0	25
80873	71785	462S-2	CPAYT05	Desi	15	80
80874	71786	463S-2	CPAYT05	Desi	0	80
80875	71787	453aS-7	CPAYT05	Desi	0	60
80876	71788	456bs-3	CPAYT05	Desi	0	0
80877	71789	399bs-4	CPAYT05	Desi	0	10
80878	71790	Myles	CPAYT06	Desi	0	0
80879	71791	Desiray	CPAYT06	Desi	0	0
80880	71792	Anna	CPAYT06	Desi	10	10
80881	ILC482				75	80
80882	71793	Nika	CPAYT06	Desi	5	50
80883	71794	Cabri	CPAYT06	Desi	0	0
80884	71795	428as-1	CPAYT06	Desi	25	50
80885	71796	335S-33	CPAYT06	Desi	0	0
80886	71797	418as-1	CPAYT06	Desi	0	0
80887	71798	418as-45	CPAYT06	Desi	0	0
80888	71799	418as-55	CPAYT06	Desi	0	0
80889	71800	418aS-80	CPAYT06	Desi	0	0
80890	71801	336S-2	CPAYT06	Desi	0	80
80891	ILC482				60	90
80892	71802	425aS-5	CPAYT06	Desi	35	100
80893	71803	425aS-11	CPAYT06	Desi	0	95
80894	71804	425aS-14	CPAYT06	Desi	10	85

80895	71805	457aS-10
80896	71806	418bs-29
80897	71807	418bs-69
80898	71808	418bs-87
80899	71809	418bs-99
80900	71810	418bs-101
80901	ILC482	
80902	71811	418bs-103
80903	71812	418bs-112
80904	71813	418bs-138
80905	71814	418bs-149
80906	71815	418bs-201
80907	71816	457bs-4
80908	71817	457bs-6
80909	71818	424as-4
80910	71819	452bs-2
80911	ILC482	
80912	71820	413S-2
80913	71821	465S-2
80914	71822	465S-3
80915	71823	453bs-2
80916	71824	453bs-3
80917	71825	456bs-9
80918	71826	553-1
80919	71827	553-2
80920	71828	553-3
80921	ILC482	
80922	71829	553-4
80923	71830	553-5
80924	71831	553-6
80925	71832	553-7
80926	71833	553-8
80927	71834	553-9
80928	71835	553-10
80929	71836	553-11
80930	71837	553-12
80931	ILC482	
80932	71838	553-13
80933	71839	553-14
80934	71840	553-15
80935	71841	553-16
80936	71842	553-17
80937	71843	553-18
80938	71844	553-19
80939	71845	553-20
80940	71846	553-21
80941	ILC482	
80942	71847	553-22
80943	71848	553-23
80944	71849	553-24

CPAYT06	Desi	0	100
CPAYT06	Desi	0	30
CPAYT06	Desi	0	80
CPAYT06	Desi	0	75
CPAYT06	Desi	0	60
CPAYT06	Desi	0	25
		90	100
CPAYT06	Desi	0	35
CPAYT06	Desi	0	80
CPAYT06	Desi	10	100
CPAYT06	Desi	0	15
CPAYT06	Desi	0	0
CPAYT06	Desi	0	90
CPAYT06	Desi	0	40
CPAYT06	Desi	10	100
CPAYT06	Desi	0	20
		90	100
CPAYT06	Desi	0	80
CPAYT06	Desi	0	80
CPAYT06	Desi	0	80
CPAYT06	Desi	0	90
CPAYT06	Desi	0	75
CPAYT06	Desi	0	30
F3 MP	Desi	0	10
F3 MP	Desi	0	0
F3 MP	Desi	25	60
		50	90
F3 MP	Desi	10	90
F3 MP	Desi	0	40
F3 MP	Desi	40	90
F3 MP	Desi	0	90
F3 MP	Desi	35	100
F3 MP	Desi	80	90
F3 MP	Desi	60	90
F3 MP	Desi	25	35
F3 MP	Desi	90	95
		75	90
F3 MP	Desi	30	80
F3 MP	Desi	50	70
F3 MP	Desi	15	95
F3 MP	Desi	25	100
F3 MP	Desi	80	100
F3 MP	Desi	0	60
F3 MP	Desi	0	40
F3 MP	Desi	0	40
F3 MP	Desi	0	60
		60	80
F3 MP	Desi	20	30
F3 MP	Desi	15	60
F3 MP	Desi	15	40

80945	71850	553-25	F3 MP	Desi	45	60
80946	71851	553-26	F3 MP	Desi	25	50
80947	71852	553-27	F3 MP	Desi	30	90
80948	71853	553-28	F3 MP	Desi	20	30
80949	71854	553-29	F3 MP	Desi	0	0
80950	71855	553-30	F3 MP	Desi	15	70
80951	ILC482				75	85
80952	71856	553-31	F3 MP	Desi	20	30
80953	71857	553-32	F3 MP	Desi	20	30
80954	71858	553-33	F3 MP	Desi	55	90
80955	71859	553-34	F3 MP	Desi	5	25
80956	71860	553-35	F3 MP	Desi	20	50
80957	71861	553-36	F3 MP	Desi	5	5
80958	71862	553-37	F3 MP	Desi	0	0
80959	71863	553-38	F3 MP	Desi	5	25
80960	71864	553-39	F3 MP	Desi	20	40
80961	ILC482				60	85
80962	71865	553-40	F3 MP	Desi	25	35
80963	71866	553-41	F3 MP	Desi	30	100
80964	71867	553-42	F3 MP	Desi	5	25
80965	71868	553-43	F3 MP	Desi	5	30
80966	71869	553-44	F3 MP	Desi	20	100
80967	71870	553-45	F3 MP	Desi	0	50
80968	71871	553-46	F3 MP	Desi	35	60
80969	71872	553-47	F3 MP	Desi	30	75
80970	71873	553-48	F3 MP	Desi	10	40
80971	ILC482				50	60
80972	71874	553-49	F3 MP	Desi	0	0
80973	71875	553-50	F3 MP	Desi	0	0
80974	71876	553-51	F3 MP	Desi	0	35
80975	71877	553-52	F3 MP	Desi	0	0
80976	71878	553-53	F3 MP	Desi	0	100
80977	71879	553-54	F3 MP	Desi	0	90
80978	71880	553-55	F3 MP	Desi	0	95
80979	71881	553-56	F3 MP	Desi	0	95
80980	71882	553-57	F3 MP	Desi	0	0
80981	ILC482				75	90
80982	71883	553-58	F3 MP	Desi	0	0
80983	71884	553-59	F3 MP	Desi	0	50
80984	71885	553-60	F3 MP	Desi	0	100
80985	71886	553-61	F3 MP	Desi	0	0
80986	71887	553-62	F3 MP	Desi	5	90
80987	71888	553-63	F3 MP	Desi	0	0
80988	71889	553-64	F3 MP	Desi	30	40
80989	71890	553-65	F3 MP	Desi	0	50
80990	71891	553-66	F3 MP	Desi	15	80
80991	ILC482				25	90
80992	71892	553-67	F3 MP	Desi	15	100
80993	71893	553-68	F3 MP	Desi	65	100
80994	71894	553-69	F3 MP	Desi	5	75

80995	71895	553-70
80996	71896	553-71
80997	71897	553-72
80998	71898	553-73
80999	71899	553-74
81000	71900	553-75
81001	ILC482	
81002	71901	553-76
81003	71902	553-77
81004	71903	553-78
81005	71904	553-79
81006	71905	553-80
81007	71906	553-81
81008	71907	553-82
81009	71908	553-83
81010	71909	553-84
81011	ILC482	
81012	71910	553-85
81013	71911	553-86
81014	71912	553-87
81015	71913	553-88
81016	71914	553-89
81017	71915	553-90
81018	71916	553-91
81019	71917	553-92
81020	71918	553-93
81021	ILC482	
81022	71919	553-94
81023	71920	553-95
81024	71921	553-96
81025	71922	553-97
81026	71923	553-98
81027	71924	553-99
81028	71925	553-100
81029	71926	553-101
81030	71927	553-102
81031	ILC482	
81032	71928	553-103
81033	71929	553-104
81034	71930	553-105
81035	71931	553-106
81036	71932	553-107
81037	71933	553-108
81038	71934	553-109
81039	71935	553-110
81040	71936	553-111
81041	ILC482	
81042	71937	553-112
81043	71938	553-113
81044	71939	553-114

F3 MP	Desi	5	25
F3 MP	Desi	80	100
F3 MP	Desi	0	0
F3 MP	Desi	25	50
F3 MP	Desi	85	95
F3 MP	Desi	20	35
		60	85
F3 MP	Desi	15	75
F3 MP	Desi	5	10
F3 MP	Desi	0	0
F3 MP	Desi	0	10
F3 MP	Desi	0	15
F3 MP	Desi	15	50
F3 MP	Desi	0	25
F3 MP	Desi	5	5
F3 MP	Desi	0	0
		10	95
F3 MP	Desi	0	50
F3 MP	Desi	15	15
F3 MP	Desi	15	90
F3 MP	Desi	0	50
F3 MP	Desi	5	25
F3 MP	Desi	5	40
F3 MP	Desi	10	40
F3 MP	Desi	0	0
F3 MP	Desi	60	100
		35	100
F3 MP	Desi	0	80
F3 MP	Desi	25	100
F3 MP	Desi	25	25
F3 MP	Desi	0	25
F3 MP	Desi	0	0
F3 MP	Desi	0	25
F3 MP	Desi	30	85
F3 MP	Desi	15	60
F3 MP	Desi	15	40
		20	90
F3 MP	Desi	15	100
F3 MP	Desi	0	85
F3 MP	Desi	25	90
F3 MP	Desi	25	85
F3 MP	Desi	5	5
F3 MP	Desi	0	0
F3 MP	Desi	10	85
F3 MP	Desi	0	90
F3 MP	Desi	20	90
		80	100
F3 MP	Desi	0	50
F3 MP	Desi	10	80
F3 MP	Desi	15	40

81045	71940	553-115	F3 MP	Desi	5	35
81046	71941	553-116	F3 MP	Desi	30	100
81047	71942	553-117	F3 MP	Desi	0	85
81048	71943	553-118	F3 MP	Desi	55	80
81049	71944	553-119	F3 MP	Desi	0	0
81050	71945	553-120	F3 MP	Desi	5	80
81051	ILC482				40	70
81052	71946	553-121	F3 MP	Desi	0	20
81053	71947	553-122	F3 MP	Desi	95	100
81054	71948	553-123	F3 MP	Desi	30	50
81055	71949	553-124	F3 MP	Desi	85	95
81056	71950	553-125	F3 MP	Desi	0	0
81057	71951	553-126	F3 MP	Desi	80	90
81058	71952	553-127	F3 MP	Desi	40	65
81059	71953	553-128	F3 MP	Desi	10	30
81060	71954	553-129	F3 MP	Desi	20	100
81061	ILC482				70	75
81062	71955	553-130	F3 MP	Desi	0	40
81063	71956	553-131	F3 MP	Desi	0	60
81064	71957	553-132	F3 MP	Desi	0	40
81065	71958	551-1	F3 MP	Desi	30	100
81066	71959	551-2	F3 MP	Desi	0	35
81067	71960	551-3	F3 MP	Desi	40	100
81068	71961	551-4	F3 MP	Desi	0	20
81069	71962	551-5	F3 MP	Desi	0	10
81070	71963	551-6	F3 MP	Desi	0	60
81071	ILC482				70	95
81072	71964	551-7	F3 MP	Desi	0	40
81073	71965	551-8	F3 MP	Desi	0	35
81074	71966	551-9	F3 MP	Desi	5	15
81075	71967	551-10	F3 MP	Desi	0	80
81076	71968	551-11	F3 MP	Desi	10	40
81077	71969	551-12	F3 MP	Desi	0	0
81078	71970	551-13	F3 MP	Desi	25	25
81079	71971	551-14	F3 MP	Desi	0	0
81080	71972	551-15	F3 MP	Desi	5	80
81081	ILC482				75	90
81082	71973	551-16	F3 MP	Desi	0	60
81083	71974	551-17	F3 MP	Desi	0	50
81084	71975	551-18	F3 MP	Desi	0	0
81085	71976	551-19	F3 MP	Desi	10	40
81086	71977	551-20	F3 MP	Desi	0	0
81087	71978	551-21	F3 MP	Desi	0	25
81088	71979	551-22	F3 MP	Desi	25	85
81089	71980	551-23	F3 MP	Desi	0	0
81090	71981	551-24	F3 MP	Desi	0	0
81091	ILC482				75	90
81092	71982	551-25	F3 MP	Desi	0	0
81093	71983	551-26	F3 MP	Desi	15	95
81094	71984	551-27	F3 MP	Desi	0	0

81095	71985	551-28	F3 MP	Desi	0	0
81096	71986	551-29	F3 MP	Desi	5	60
81097	71987	551-30	F3 MP	Desi	15	85
81098	71988	551-31	F3 MP	Desi	5	80
81099	71989	551-32	F3 MP	Desi	0	0
81100	71990	551-33	F3 MP	Desi	0	0
81101	ILC482				75	90
81102	71991	551-34	F3 MP	Desi	0	0
81103	71992	551-35	F3 MP	Desi	0	0
81104	71993	551-36	F3 MP	Desi	35	35
81105	71994	551-37	F3 MP	Desi	10	25
81106	71995	551-38	F3 MP	Desi	5	25
81107	71996	551-39	F3 MP	Desi	0	0
81108	71997	551-40	F3 MP	Desi	0	20
81109	71998	551-41	F3 MP	Desi	5	60
81110	71999	551-42	F3 MP	Desi	0	25
81111	ILC482				95	100
81112	72000	551-43	F3 MP	Desi	10	90
81113	72001	551-44	F3 MP	Desi	0	0
81114	72002	551-45	F3 MP	Desi	0	0
81115	72003	551-46	F3 MP	Desi	0	80
81116	72004	551-47	F3 MP	Desi	0	25
81117	72005	551-48	F3 MP	Desi	5	10
81118	72006	551-49	F3 MP	Desi	0	0
81119	72007	551-50	F3 MP	Desi	0	0
81120	72008	551-51	F3 MP	Desi	missing	m
81121	ILC482				75	75
81122	72009	603-13	F3 MP	Desi	0	25
81123	72010	603-14	F3 MP	Desi	20	90
81124	72011	603-15	F3 MP	Desi	0	0
81125	72012	603-16	F3 MP	Desi	45	100
81126	72013	603-17	F3 MP	Desi	0	25
81127	72014	603-18	F3 MP	Desi	5	75
81128	72015	603-19	F3 MP	Desi	0	80
81129	72016	603-20	F3 MP	Desi	15	40
81130	72017	603-21	F3 MP	Desi	5	5
81131	ILC482				60	60
81132	72018	603-22	F3 MP	Desi	25	35
81133	72019	603-23	F3 MP	Desi	0	0
81134	72020	603-24	F3 MP	Desi	0	0
81135	72021	603-25	F3 MP	Desi	0	0
81136	72022	603-26	F3 MP	Desi	50	85
81137	72023	603-27	F3 MP	Desi	0	40
81138	72024	548-1	F3 MP	Desi	0	0
81139	72025	548-2	F3 MP	Desi	0	0
81140	72026	548-3	F3 MP	Desi	0	0
81141	ILC482				90	90
81142	72027	548-4	F3 MP	Desi	10	10
81143	72028	548-5	F3 MP	Desi	0	0
81144	72029	548-6	F3 MP	Desi	5	5

81145	72030	548-7	F3 MP	Desi	0	0
81146	72031	548-8	F3 MP	Desi	0	0
81147	72032	548-9	F3 MP	Desi	0	0
81148	72033	548-10	F3 MP	Desi	0	0
81149	72034	548-11	F3 MP	Desi	0	0
81150	72035	548-12	F3 MP	Desi	0	70
81151	ILC482				100	100
81152	72036	548-13	F3 MP	Desi	0	0
81153	72037	548-14	F3 MP	Desi	0	40
81154	72038	548-15	F3 MP	Desi	0	0
81155	72039	548-16	F3 MP	Desi	0	40
81156	72040	548-17	F3 MP	Desi	0	0
81157	72041	548-18	F3 MP	Desi	0	0
81158	72042	548-19	F3 MP	Desi	0	0
81159	72043	548-20	F3 MP	Desi	0	30
81160	72044	548-21	F3 MP	Desi	0	0
81161	ILC482				70	90
81162	72045	548-22	F3 MP	Desi	0	0
81163	72046	548-23	F3 MP	Desi	0	0
81164	72047	548-24	F3 MP	Desi	0	0
81165	72048	548-25	F3 MP	Desi	0	30
81166	72049	554-1	F3 MP	Desi	25	95
81167	72050	554-2	F3 MP	Desi	5	30
81168	72051	554-3	F3 MP	Desi	15	90
81169	72052	554-4	F3 MP	Desi	45	100
81170	72053	554-5	F3 MP	Desi	50	100
81171	ILC482				85	90
81172	72054	554-6	F3 MP	Desi	0	100
81173	72055	554-7	F3 MP	Desi	5	40
81174	72056	554-8	F3 MP	Desi	0	25
81175	72057	554-9	F3 MP	Desi	5	95
81176	72058	554-10	F3 MP	Desi	55	100
81177	72059	554-11	F3 MP	Desi	0	95
81178	72060	554-12	F3 MP	Desi	5	95
81179	72061	554-13	F3 MP	Desi	5	90
81180	72062	554-14	F3 MP	Desi	15	95
81181	ILC482				80	80
81182	72063	554-15	F3 MP	Desi	15	90
81183	72064	554-16	F3 MP	Desi	0	30
81184	72065	554-17	F3 MP	Desi	5	85
81185	72066	554-18	F3 MP	Desi	0	95
81186	72067	554-19	F3 MP	Desi	0	30
81187	72068	554-20	F3 MP	Desi	0	30
81188	72069	554-21	F3 MP	Desi	0	50
81189	72070	554-22	F3 MP	Desi	0	100
81190	72071	554-23	F3 MP	Desi	5	100
81191	ILC482				70	95
81192	72072	554-24	F3 MP	Desi	0	70
81193	72073	554-25	F3 MP	Desi	0	100
81194	72074	554-26	F3 MP	Desi	0	90

81195	72075	554-27	F3 MP	Desi	0	80
81196	72076	554-28	F3 MP	Desi	0	30
81197	72077	554-29	F3 MP	Desi	0	30
81198	72078	554-30	F3 MP	Desi	0	40
81199	72079	554-31	F3 MP	Desi	0	0
81200	72080	554-32	F3 MP	Desi	5	5
81201	ILC482				75	85
81202	72081	554-33	F3 MP	Desi	0	100
81203	72082	554-34	F3 MP	Desi	5	100
81204	72083	554-35	F3 MP	Desi	0	100
81205	72084	554-36	F3 MP	Desi	0	50
81206	72085	554-37	F3 MP	Desi	0	25
81207	72086	554-38	F3 MP	Desi	0	25
81208	72087	554-39	F3 MP	Desi	0	60
81209	72088	554-40	F3 MP	Desi	5	70
81210	72089	554-41	F3 MP	Desi	0	40
81211	ILC482				65	90
81212	72090	554-42	F3 MP	Desi	0	60
81213	72091	554-43	F3 MP	Desi	0	100
81214	72092	554-44	F3 MP	Desi	0	90
81215	72093	554-45	F3 MP	Desi	0	50
81216	72094	554-46	F3 MP	Desi	0	0
81217	72095	554-47	F3 MP	Desi	30	100
81218	72096	554-48	F3 MP	Desi	0	90
81219	72097	554-49	F3 MP	Desi	20	95
81220	72098	554-50	F3 MP	Desi	0	90
81221	ILC482				45	80
81222	72099	550-1	F3 MP	Desi	0	50
81223	72100	550-2	F3 MP	Desi	0	0
81224	72101	550-3	F3 MP	Desi	0	25
81225	72102	550-4	F3 MP	Desi	15	85
81226	72103	550-5	F3 MP	Desi	5	80
81227	72104	550-6	F3 MP	Desi	0	100
81228	72105	550-7	F3 MP	Desi	5	80
81229	72106	550-8	F3 MP	Desi	10	50
81230	72107	550-9	F3 MP	Desi	0	0
81231	ILC482				35	80
81232	72108	550-10	F3 MP	Desi	0	0
81233	72109	550-11	F3 MP	Desi	0	100
81234	72110	550-12	F3 MP	Desi	0	25
81235	72111	550-13	F3 MP	Desi	5	40
81236	72112	550-14	F3 MP	Desi	0	0
81237	72113	550-15	F3 MP	Desi	0	90
81238	72114	550-16	F3 MP	Desi	5	60
81239	72115	550-17	F3 MP	Desi	0	10
81240	72116	550-18	F3 MP	Desi	0	0
81241	ILC482				60	80
81242	72117	550-19	F3 MP	Desi	0	25
81243	72118	550-20	F3 MP	Desi	0	85
81244	72119	550-21	F3 MP	Desi	0	60

81245	72120	550-22	F3 MP	Desi	15	70
81246	72121	550-23	F3 MP	Desi	10	30
81247	72122	550-24	F3 MP	Desi	30	65
81248	72123	550-25	F3 MP	Desi	0	10
81249	72124	550-26	F3 MP	Desi	25	40
81250	72125	550-27	F3 MP	Desi	0	0
81251	ILC482				85	85
81252	72126	550-28	F3 MP	Desi	5	25
81253	72127	550-29	F3 MP	Desi	0	15
81254	72128	550-30	F3 MP	Desi	5	5
81255	72129	550-31	F3 MP	Desi	0	0
81256	72130	550-32	F3 MP	Desi	0	0
81257	72131	550-33	F3 MP	Desi	15	15
81258	72132	604-1	F3 MP	Desi	0	0
81259	72133	604-2	F3 MP	Desi	0	0
81260	72134	604-3	F3 MP	Desi	0	0
81261	ILC482				65	75
81262	72135	604-4	F3 MP	Desi	5	5
81263	72136	604-5	F3 MP	Desi	0	0
81264	72137	604-6	F3 MP	Desi	0	0
81265	72138	604-7	F3 MP	Desi	20	30
81266	72139	604-8	F3 MP	Desi	0	25
81267	72140	604-9	F3 MP	Desi	0	0
81268	72141	604-10	F3 MP	Desi	0	0
81269	72142	604-11	F3 MP	Desi	95	100
81270	72143	604-12	F3 MP	Desi	missing	m
81271	ILC482				80	85
81272	72144	604-13	F3 MP	Desi	0	0
81273	72145	604-14	F3 MP	Desi	0	0
81274	72146	604-15	F3 MP	Desi	0	0
81275	72147	604-16	F3 MP	Desi	0	0
81276	72148	604-17	F3 MP	Desi	0	10
81277	72149	604-18	F3 MP	Desi	0	0
81278	72150	604-19	F3 MP	Desi	0	0
81279	72151	604-20	F3 MP	Desi	0	0
81280	72152	604-21	F3 MP	Desi	0	0
81281	ILC482				65	85
81282	72153	604-22	F3 MP	Desi	0	0
81283	72154	604-23	F3 MP	Desi	0	0
81284	72155	604-24	F3 MP	Desi	0	0
81285	72156	604-25	F3 MP	Desi	0	0
81286	72157	604-26	F3 MP	Desi	0	25
81287	72158	604-27	F3 MP	Desi	35	90
81288	72159	604-28	F3 MP	Desi	0	0
81289	72160	604-29	F3 MP	Desi	80	85
81290	72161	604-30	F3 MP	Desi	0	0
81291	ILC482				70	100
81292	72162	604-31	F3 MP	Desi	10	10
81293	72163	604-32	F3 MP	Desi	0	0
81294	72164	604-33	F3 MP	Desi	0	0

81295	72165	604-34	F3 MP	Desi	0	0
81296	72166	604-35	F3 MP	Desi	0	0
81297	72167	604-36	F3 MP	Desi	45	50
81298	72168	604-37	F3 MP	Desi	95	100
81299	72169	604-38	F3 MP	Desi	10	10
81300	72170	604-39	F3 MP	Desi	25	25
81301	ILC482				65	80
81302	72171	604-40	F3 MP	Desi	10	10
81303	72172	604-41	F3 MP	Desi	30	85
81304	72173	604-42	F3 MP	Desi	0	0
81305	72174	604-43	F3 MP	Desi	30	25
81306	72175	604-44	F3 MP	Desi	90	100
81307	72176	604-45	F3 MP	Desi	0	0
81308	72177	604-46	F3 MP	Desi	5	10
81309	72178	604-47	F3 MP	Desi	0	0
81310	72179	604-48	F3 MP	Desi	0	0
81311	ILC482				70	85
81312	72180	604-49	F3 MP	Desi	0	0
81313	72181	604-50	F3 MP	Desi	0	0
81314	72182	604-51	F3 MP	Desi	0	0
81315	72183	604-52	F3 MP	Desi	0	0
81316	72184	604-53	F3 MP	Desi	0	0
81317	72185	604-54	F3 MP	Desi	100	100
81318	72186	604-55	F3 MP	Desi	0	0
81319	72187	604-56	F3 MP	Desi	0	80
81320	72188	604-57	F3 MP	Desi	0	0
81321	ILC482				60	85
81322	72189	604-58	F3 MP	Desi	10	10
81323	72190	604-59	F3 MP	Desi	0	0
81324	72191	604-60	F3 MP	Desi	0	75
81325	72192	604-61	F3 MP	Desi	0	0
81326	72193	604-62	F3 MP	Desi	55	80
81327	72194	604-63	F3 MP	Desi	5	30
81328	72195	604-64	F3 MP	Desi	5	0
81329	72196	604-65	F3 MP	Desi	10	10
81330	72197	604-66	F3 MP	Desi	0	0
81331	ILC482				80	100
81332	72198	604-67	F3 MP	Desi	15	15
81333	72199	604-68	F3 MP	Desi	15	15
81334	72200	604-69	F3 MP	Desi	0	5
81335	72201	604-70	F3 MP	Desi	5	5
81336	72202	604-71	F3 MP	Desi	0	25
81337	72203	604-72	F3 MP	Desi	0	25
81338	72204	604-73	F3 MP	Desi	0	10
81339	72205	604-74	F3 MP	Desi	20	60
81340	72206	604-75	F3 MP	Desi	0	0
81341	ILC482				75	90
81342	72207	604-76	F3 MP	Desi	30	35
81343	72208	604-77	F3 MP	Desi	50	70
81344	72209	604-78	F3 MP	Desi	20	25

81345	72210	604-79	F3 MP	Desi	95	100
81346	72211	604-80	F3 MP	Desi	10	40
81347	72212	604-81	F3 MP	Desi	25	40
81348	72213	604-82	F3 MP	Desi	0	40
81349	72214	604-83	F3 MP	Desi	85	85
81350	72215	604-84	F3 MP	Desi	5	25
81351	ILC482				75	80
81352	72216	604-85	F3 MP	Desi	0	0
81353	72217	604-86	F3 MP	Desi	0	75
81354	72218	604-87	F3 MP	Desi	100	100
81355	72219	604-88	F3 MP	Desi	0	25
81356	72220	604-89	F3 MP	Desi	5	25
81357	72221	604-90	F3 MP	Desi	0	35
81358	72222	604-91	F3 MP	Desi	0	25
81359	72223	604-92	F3 MP	Desi	0	25
81360	72224	604-93	F3 MP	Desi	0	0
81361	ILC482				65	90
81362	72225	604-94	F3 MP	Desi	0	10
81363	72226	604-95	F3 MP	Desi	0	50
81364	72227	604-96	F3 MP	Desi	0	70
81365	72228	604-97	F3 MP	Desi	0	80
81366	72229	604-98	F3 MP	Desi	0	25
81367	72230	604-99	F3 MP	Desi	0	60
81368	72231	604-100	F3 MP	Desi	5	25
81369	72232	604-101	F3 MP	Desi	25	65
81370	72233	604-102	F3 MP	Desi	0	0
81371	ILC482				50	95
81372	72234	604-103	F3 MP	Desi	0	25
81373	72235	604-104	F3 MP	Desi	0	0
81374	72236	604-105	F3 MP	Desi	0	0
81375	72237	604-106	F3 MP	Desi	0	0
81376	72238	604-107	F3 MP	Desi	0	0
81377	72239	604-108	F3 MP	Desi	0	0
81378	72240	604-109	F3 MP	Desi	0	0
81379	72241	604-110	F3 MP	Desi	0	10
81380	72242	604-111	F3 MP	Desi	0	15
81381	ILC482				70	85
81382	72243	604-112	F3 MP	Desi	0	25
81383	72244	604-113	F3 MP	Desi	55	70
81384	72245	604-114	F3 MP	Desi	40	45
81385	72246	604-115	F3 MP	Desi	0	10
81386	72247	604-116	F3 MP	Desi	0	0
81387	72248	604-117	F3 MP	Desi	0	30
81388	72249	604-118	F3 MP	Desi	90	100
81389	72250	604-119	F3 MP	Desi	0	0
81390	72251	604-120	F3 MP	Desi	0	15
81391	ILC482				80	90
81392	72252	604-121	F3 MP	Desi	65	80
81393	72253	604-122	F3 MP	Desi	0	25
81394	72254	604-123	F3 MP	Desi	0	0

81395	72255	604-124	F3 MP	Desi	0	80
81396	72256	549-1	F3 MP	Desi	0	0
81397	72257	549-2	F3 MP	Desi	0	0
81398	72258	549-3	F3 MP	Desi	0	0
81399	72259	549-4	F3 MP	Desi	0	0
81400	72260	549-5	F3 MP	Desi	0	0
81401	ILC482				65	80
81402	72261	549-6	F3 MP	Desi	0	0
81403	72262	549-7	F3 MP	Desi	0	10
81404	72263	549-8	F3 MP	Desi	0	15
81405	72264	549-9	F3 MP	Desi	0	25
81406	72265	549-10	F3 MP	Desi	0	0
81407	72266	605-1	F3 MP	Desi	0	10
81408	72267	605-2	F3 MP	Desi	80	100
81409	72268	605-3	F3 MP	Desi	25	85
81410	72269	605-4	F3 MP	Desi	60	100
81411	ILC482				90	95
81412	72270	605-5	F3 MP	Desi	20	70
81413	72271	605-6	F3 MP	Desi	0	0
81414	72272	605-7	F3 MP	Desi	30	100
81415	72273	605-8	F3 MP	Desi	80	100
81416	72274	605-9	F3 MP	Desi	80	100
81417	72275	605-10	F3 MP	Desi	85	100
81418	72276	605-11	F3 MP	Desi	25	100
81419	72277	605-12	F3 MP	Desi	0	10
81420	72278	605-13	F3 MP	Desi	80	80
81421	ILC482				75	80
81422	72279	605-14	F3 MP	Desi	65	100
81423	72280	605-15	F3 MP	Desi	20	25
81424	72281	605-16	F3 MP	Desi	25	25
81425	72282	605-17	F3 MP	Desi	10	30
81426	72283	605-18	F3 MP	Desi	100	100
81427	72284	605-19	F3 MP	Desi	25	100
81428	72285	605-20	F3 MP	Desi	5	25
81429	72286	605-21	F3 MP	Desi	20	30
81430	72287	605-22	F3 MP	Desi	95	100
81431	ILC482				70	85
81432	72288	605-23	F3 MP	Desi	100	100
81433	72289	605-24	F3 MP	Desi	25	25
81434	72290	605-25	F3 MP	Desi	10	30
81435	72291	605-26	F3 MP	Desi	5	90
81436	72292	605-27	F3 MP	Desi	0	0
81437	72293	605-28	F3 MP	Desi	25	95
81438	72294	605-29	F3 MP	Desi	30	35
81439	72295	605-30	F3 MP	Desi	15	25
81440	72296	598-1	F3 MP	Desi	0	0
81441	ILC482				65	85
81442	72297	598-2	F3 MP	Desi	10	15
81443	72298	598-3	F3 MP	Desi	5	10
81444	72299	598-4	F3 MP	Desi	75	100

81445	72300	598-5	F3 MP	Desi	15	25
81446	72301	598-6	F3 MP	Desi	25	100
81447	72302	598-7	F3 MP	Desi	0	0
81448	72303	598-8	F3 MP	Desi	0	0
81449	72304	598-9	F3 MP	Desi	15	15
81450	72305	598-10	F3 MP	Desi	0	0
81451	ILC482				65	90
81452	72306	598-11	F3 MP	Desi	40	40
81453	72307	598-12	F3 MP	Desi	5	15
81454	72308	598-13	F3 MP	Desi	0	10
81455	72309	598-14	F3 MP	Desi	25	80
81456	72310	598-15	F3 MP	Desi	65	100
81457	72311	598-16	F3 MP	Desi	5	10
81458	72312	598-17	F3 MP	Desi	30	30
81459	72313	598-18	F3 MP	Desi	95	100
81460	72314	598-19	F3 MP	Desi	0	0
81461	ILC482				85	90
81462	72315	598-20	F3 MP	Desi	0	10
81463	72316	598-21	F3 MP	Desi	75	80
81464	72317	598-22	F3 MP	Desi	10	10
81465	72318	598-23	F3 MP	Desi	35	60
81466	72319	598-24	F3 MP	Desi	20	25
81467	72320	596-1	F3 MP	Desi	0	80
81468	72321	596-2	F3 MP	Desi	20	80
81469	72322	596-3	F3 MP	Desi	0	75
81470	72323	596-4	F3 MP	Desi	0	75
81471	ILC482				70	80
81472	72324	596-5	F3 MP	Desi	5	60
81473	72325	596-6	F3 MP	Desi	0	0
81474	72326	596-7	F3 MP	Desi	0	40
81475	72327	596-8	F3 MP	Desi	10	10
81476	72328	596-9	F3 MP	Desi	20	25
81477	72329	596-10	F3 MP	Desi	60	100
81478	72330	596-11	F3 MP	Desi	10	25
81479	72331	596-12	F3 MP	Desi	5	10
81480	72332	596-13	F3 MP	Desi	0	0
81481	ILC482				70	80
81482	72333	596-14	F3 MP	Desi	10	10
81483	72334	596-15	F3 MP	Desi	15	90
81484	72335	596-16	F3 MP	Desi	5	25
81485	72336	596-17	F3 MP	Desi	0	40
81486	72337	596-18	F3 MP	Desi	0	70
81487	72338	596-19	F3 MP	Desi	5	50
81488	72339	596-20	F3 MP	Desi	25	100
81489	72340	596-21	F3 MP	Desi	5	80
81490	72341	596-22	F3 MP	Desi	0	25
81491	ILC482				80	95
81492	72342	596-23	F3 MP	Desi	25	70
81493	72343	596-24	F3 MP	Desi	30	80
81494	72344	596-25	F3 MP	Desi	30	50

81495	72345	596-26	F3 MP	Desi	5	85
81496	72346	596-27	F3 MP	Desi	95	100
81497	72347	596-28	F3 MP	Desi	0	0
81498	72348	596-29	F3 MP	Desi	0	0
81499	72349	596-30	F3 MP	Desi	15	15
81500	72350	596-31	F3 MP	Desi	30	70
81501	ILC482				65	90
81502	72351	596-32	F3 MP	Desi	10	60
81503	72352	596-33	F3 MP	Desi	10	80
81504	72353	596-34	F3 MP	Desi	40	75
81505	72354	596-35	F3 MP	Desi	85	100
81506	72355	596-36	F3 MP	Desi	15	95
81507	72356	596-37	F3 MP	Desi	35	90
81508	72357	596-38	F3 MP	Desi	15	85
81509	72358	596-39	F3 MP	Desi	0	30
81510	72359	596-40	F3 MP	Desi	25	80
81511	ILC482				80	95
81512	72360	596-41	F3 MP	Desi	65	100
81513	72361	596-42	F3 MP	Desi	55	80
81514	72362	596-43	F3 MP	Desi	40	90
81515	72363	596-44	F3 MP	Desi	25	90
81516	72364	596-45	F3 MP	Desi	30	75
81517	72365	596-46	F3 MP	Desi	5	40
81518	72366	596-47	F3 MP	Desi	5	5
81519	72367	596-48	F3 MP	Desi	0	0
81520	72368	596-49	F3 MP	Desi	45	45
81521	ILC482				45	80
81522	72369	596-50	F3 MP	Desi	25	85
81523	72370	596-51	F3 MP	Desi	45	90
81524	72371	596-52	F3 MP	Desi	75	100
81525	72372	596-53	F3 MP	Desi	25	100
81526	72373	596-54	F3 MP	Desi	5	5
81527	72374	596-55	F3 MP	Desi	0	0
81528	72375	596-56	F3 MP	Desi	25	25
81529	72376	596-57	F3 MP	Desi	60	100
81530	72377	596-58	F3 MP	Desi	0	0
81531	ILC482				75	80
81532	72378	596-59	F3 MP	Desi	10	90
81533	72379	596-60	F3 MP	Desi	0	0
81534	72380	596-61	F3 MP	Desi	75	100
81535	72381	596-62	F3 MP	Desi	10	30
81536	72382	596-63	F3 MP	Desi	25	40
81537	72383	596-64	F3 MP	Desi	5	60
81538	72384	596-65	F3 MP	Desi	30	30
81539	72385	596-66	F3 MP	Desi	0	0
81540	72386	596-67	F3 MP	Desi	0	60
81541	ILC482				65	85
81542	72387	596-68	F3 MP	Desi	0	80
81543	72388	596-69	F3 MP	Desi	25	30
81544	72389	596-70	F3 MP	Desi	15	25

81545	72390	596-71	F3 MP	Desi	10	50
81546	72391	539-1	F3 MP	Desi	10	40
81547	72392	539-2	F3 MP	Desi	15	50
81548	72393	539-3	F3 MP	Desi	5	75
81549	72394	539-4	F3 MP	Desi	5	5
81550	72395	596-72	F3 MP	Desi	90	100
81551	ILC482				75	75
81552	72396	596-73	F3 MP	Desi	20	30
81553	72397	596-74	F3 MP	Desi	25	40
81554	72398	596-75	F3 MP	Desi	10	60
81555	72399	596-76	F3 MP	Desi	10	25
81556	72400	596-77	F3 MP	Desi	0	10
81557	72401	596-78	F3 MP	Desi	0	25
81558	72402	596-79	F3 MP	Desi	25	40
81559	72403	596-80	F3 MP	Desi	0	40
81560	72404	596-81	F3 MP	Desi	0	50
81561	ILC482				65	90
81562	72405	596-82	F3 MP	Desi	5	25
81563	72406	596-83	F3 MP	Desi	5	75
81564	72407	596-84	F3 MP	Desi	75	100
81565	72408	596-85	F3 MP	Desi	30	40
81566	72409	598-67	F3 MP	Desi	5	10
81567	72410	598-68	F3 MP	Desi	0	0
81568	72411	598-69	F3 MP	Desi	5	5
81569	72412	598-70	F3 MP	Desi	80	90
81570	72413	598-71	F3 MP	Desi	0	10
81571	ILC482				85	95
81572	72414	598-72	F3 MP	Desi	0	25
81573	72415	598-73	F3 MP	Desi	5	20
81574	72416	598-74	F3 MP	Desi	0	0
81575	72417	598-75	F3 MP	Desi	70	100
81576	72418	598-76	F3 MP	Desi	5	85
81577	72419	598-77	F3 MP	Desi	5	85
81578	72420	598-78	F3 MP	Desi	0	0
81579	72421	598-79	F3 MP	Desi	15	30
81580	72422	598-80	F3 MP	Desi	0	0
81581	ILC482				90	90
81582	72423	598-81	F3 MP	Desi	25	40
81583	72424	598-82	F3 MP	Desi	25	90
81584	72425	598-83	F3 MP	Desi	15	15
81585	72426	598-84	F3 MP	Desi	0	0
81586	72427	598-85	F3 MP	Desi	15	35
81587	72428	598-86	F3 MP	Desi	65	70
81588	72429	598-87	F3 MP	Desi	0	0
81589	72430	598-88	F3 MP	Desi	25	95
81590	72431	598-89	F3 MP	Desi	45	90
81591	ILC482				75	75
81592	72432	598-90	F3 MP	Desi	25	25
81593	72433	598-91	F3 MP	Desi	0	0
81594	72434	605-43	F3 MP	Desi	0	0

81595	72435	605-44	F3 MP	Desi	0	0
81596	72436	605-45	F3 MP	Desi	0	0
81597	72437	605-46	F3 MP	Desi	90	100
81598	72438	605-47	F3 MP	Desi	25	40
81599	72439	605-48	F3 MP	Desi	15	40
81600	72440	605-49	F3 MP	Desi	30	80
81601	ILC482				55	80
81602	72441	605-50	F3 MP	Desi	0	25
81603	72442	605-51	F3 MP	Desi	95	100
81604	72443	605-52	F3 MP	Desi	60	95
81605	72444	605-53	F3 MP	Desi	70	80
81606	72445	605-54	F3 MP	Desi	25	80
81607	72446	605-55	F3 MP	Desi	5	10
81608	72447	604-214	F3 MP	Desi	15	15
81609	72448	604-215	F3 MP	Desi	10	15
81610	72449	604-216	F3 MP	Desi	20	25
81611	ILC482				70	95
81612	72450	596-87	F3 MP	Desi	0	15
81613	72451	596-88	F3 MP	Desi	10	70
81614	72452	Myles	CPRTD	Desi	0	60
81615	72453	CDC Desiray	CPRTD	Desi	0	0
81616	72454	CDC Anna	CPRTD	Desi	0	0
81617	72455	CDC Nika	CPRTD	Desi	10	10
81618	72456	CDC Cabri	CPRTD	Desi	10	10
81619	72457	222B-11	CPRTD	Desi	95	100
81620	72458	304-22	CPRTD	Desi	65	100
81621	ILC482				80	90
81622	72459	304-31	CPRTD	Desi	10	10
81623	72460	304-40	CPRTD	Desi	85	100
81624	72461	221-24	CPRTD	Desi	0	10
81625	72462	ICC 12512-1	CPRTD	Desi	75	100
81626	72463	356-6	CPRTD	Desi	0	0
81627	72464	Sanford	CPRTK	Kabuli	5	100
81628	72465	Amit	CPRTK	Kabuli	65	100
81629	72466	CDC Xena	CPRTK	Kabuli	0	70
81630	72467	CDC ChiChi	CPRTK	Kabuli	15	100
81631	ILC482				70	85
81632	72468	CDC Frontier	CPRTK	Kabuli	5	80
81633	72469	95NN-12	CPRTK	Kabuli	75	100
81634	72470	97-Indian2-112	CPRTK	Kabuli	35	95
81635	72471	242-1	CPRTK	Kabuli	0	100
81636	72472	FLIP 98-136C	CPRTK	Kabuli	missing	m
81637	72473	FLIP 82-150C	CPRTK	Kabuli	60	100
81638	72474	FLIP 98-133C	CPRTK	Kabuli	10	40
81639	72475	FLIP 97-133C	CPRTK	Kabuli	15	100
81640	72476	CDC Xena	CPIGPET	Kabuli	0	30
81641	ILC482				80	85
81642	72477	CDC Frontier	CPIGPET	Kabuli	10	80
81643	72478	Amit	CPIGPET	Kabuli	65	100
81644	72479	Myles	CPIGPET	Desi	0	0

81645	72480	CDC Anna	CPIGPET	Desi	0	20
81646	72481	CDC Nika	CPIGPET	Desi	0	0
81647	72482	CA 9990B1895C	CPIGPET	Kabuli	15	90
81648	72483	CA 0090B347C	CPIGPET	Kabuli	0	40
81649	72484	CA 0090B383C	CPIGPET	Kabuli	0	0
81650	72485	CA 9990I875W	CPIGPET	Kabuli	0	40
81651	ILC482				85	90
81652	72486	CA 0090B015W	CPIGPET	Kabuli	0	0
81653	72487	CA 9783163C	CPIGPET	Kabuli	10	70
81654	72488	CA 9890169W	CPIGPET	Kabuli	0	40
81655	72489	CA 9990B1514W	CPIGPET	Kabuli	0	25
81656	72490	CA 9990B1579C	CPIGPET	Kabuli	0	25
81657	72491	CA 9990I861W	CPIGPET	Kabuli	0	80
81658	72492	CA9890234W	CPIGPET	Kabuli	0	25
81659	72493	CA 9890239W	CPIGPET	Kabuli	0	25
81660	72494	Sanford	CPIGPET02	Kabuli	25	100
81661	ILC482				85	95
81662	72495	CDC Xena	CPIGPET02	Kabuli	5	50
81663	72496	Amit	CPIGPET02	Kabuli	90	100
81664	72497	CDC Frontier	CPIGPET02	Kabuli	0	75
81665	72498	Sierra	CPIGPET02	Kabuli	0	25
81666	72499	CA 9890233W	CPIGPET02	Kabuli	0	60
81667	72500	CA 9990I604C	CPIGPET02	Kabuli	0	0
81668	72501	Garnet	CPIGPET02	Desi	95	95
81669	72502	Farmers field	Iran	w.sp.	missing	m
81670	72503	From gala-oral	Russia	Kabuli	0	70
81671	ILC482				65	90
81672	72504	Tashkent market-2	Tashkent	Kabuli	15	60
81673	72505	Tashkent market-1	Tashkent	Kabuli	0	60
81674	72601	CA0190B777C	USA	Kabuli	0	10
81675	72602	CA0090B659D	USA	Kabuli	0	0
81676	72603	CA0190B474C	USA	Kabuli	15	15
81677	72604	Ghab 5			25	100
81678	72605	CA0090B015W	USA	Kabuli	30	95
81679	72606	CA0190B598C	USA	Kabuli	0	10
81680	72607	CA0190B015C	USA	Kabuli	25	100
81681	ILC482				80	95
81682	72608	CA0190B723C	USA	Kabuli	0	0
81683	72609	CA0190B773C	USA	Kabuli	15	100
81684	72610	CA0090B347C	USA	Kabuli	0	0
81685	72611	CA0190B110C	USA	Kabuli	0	0
81686	72612	CA0190B052C	USA	Kabuli	0	10
81687	72613	CA0190B418C	USA	Kabuli	0	0
81688	72614	CA0190B775C	USA	Kabuli	5	10
81689	72615	CA0090B383C	USA	Kabuli	0	25
81690	72616	Ghab4			5	100
81691	ILC482				75	90
81692	72617	CA0190B539C	USA	Kabuli	0	0

81693	72618	CA0190B839C	USA	Kabuli	10	100
81694	72619	ILC 1929			80	100
81695	72620	CA0190B783C	USA	Kabuli	0	0

Table 3. Performance of kabuli chickpea lines in the 2005 chickpea advanced yield trial-1

							Asco-ICARDA		FW-ICARDA		
	stnyrs	3	2	1	1	2					2
Entry	Variety	Yield	Fl	Ht	Asco	Mat	2005	2004	2005	2004	Sdwt
1	CDC Xena	62	59	46	8.0	1.5	7.4		69		427
2	CDC Frontier	100	61	48	4.0	2.5	6		78		356
3	Amit	73	61	46	4.5	1.5	5.1		100		241
4	491-1	90	54	40	4.0	1.0		4		60	377
5	491-3	84	54	46	5.0	1.5		6			398
6	491-5	87	55	43	4.0	1.5		6			411
7	491-6	90	54	36	4.0	1.0		4			353
8	491-11	76	55	43	4.5	1.3		4		80	376
9	491-12	82	55	44	4.0	1.3		5		40	443
10	491-15	47	55	42	6.0	2.3		4			370
11	491-17	94	54	38	4.0	1.0		4		70	346
12	491-18	95	55	41	4.0	1.8					365
13	491-19	67	54	42	4.5	1.8		4			397
14	491-21	86	55	37	5.0	1.5		4			304
15	491-22	84	56	49	4.0	1.8		5			418
16	491-23	71	55	39	5.5	2.0		4		90	381
17	491-24	95	55	42	5.0	1.3		5			377
18	491-26	69	55	37	5.5	1.5		5		60	384
19	491-27	73	55	39	5.5	1.5		4			388
20	491-28	86	54	37	4.5	1.3		4		10	331
21	491-29	74	54	42	5.0	1.5		4			325
22	491-32	84	55	43	5.0	1.5		4			378
23	491-33	71	57	44	5.0	2.5		4			384
24	491-35	81	55	38	4.5	1.3		4			324
25	491-36	72	56	41	5.0	2.0		3		70	382
26	491-38	85	56	39	4.0	1.5		4		90	383
27	491-39	89	54	41	5.0	1.3					375
28	491-41	86	55	42	4.0	1.5					389
29	491-44	90	54	39	4.5	1.3					392
30	491-46	57	55	40	4.5	2.0					380
31	500-1	60	56	42	6.0	1.8		4			351
32	500-2	73	58	40	5.0	1.8		6			359
33	500-8	37	61	43	5.0	1.8		4			340
34	500-14	53	56	46	6.0	1.8		4			374
35	500-20	58	56	38	5.0	1.5		4			327
36	500-26	41	61	45	6.5	1.8		4			333

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Frontier

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 4. Performance of kabuli chickpea lines in the 2005 chickpea advanced yield trial-2

		stnyrs	3	2	1	1	2	Asco-ICARDA		FW-ICARDA		2
Entry	Variety		Yield	FI	Ht	Asco	Mat	2005	2004	2005	2004	Sdwt
1	CDC Xena		55	61	45	8.0	1.8	7.4		69		454
2	CDC Frontier		100	61	42	4.0	2.0	6		78		333
3	Amit		85	61	43	4.0	1.5	5.1		100		258
4	500-29		83	58	45	4.5	1.3		4			389
5	511-33		76	62	47	4.0	1.5		4			308
6	499-5		79	58	41	4.0	1.5		3			314
7	499-9		79	55	36	4.5	1.3		3			240
8	499-10		89	57	51	4.5	1.0		3			320
9	499-11		91	60	43	5.0	1.3		3			326
10	499-13		94	58	42	5.0	1.3		3			301
11	499-14		72	59	46	4.5	1.5		3			336
12	499-15		91	58	44	5.0	1.3		3			376
13	499-16		99	56	43	4.0	1.0		3			305
14	499-17		92	57	43	4.5	1.5		3			330
15	499-19		88	56	40	4.0	1.3		3			309
16	499-20		86	59	45	4.5	1.5		3			347
17	499-24		86	57	40	5.0	1.3		4			339
18	499-25		110	56	43	4.5	1.3		4			324
19	494-1		93	59	43	4.5	2.0		6			394
20	494-2		113	58	43	4.0	2.0		6			372
21	494-3		99	59	44	4.0	2.3		4			401
22	494-7		89	57	40	4.0	1.3		6			335
23	494-8		99	55	41	4.5	1.0		6			315
24	494-10		92	60	41	4.0	2.0		5			364
25	494-13		97	58	41	4.5	2.3		6			383
26	494-14		84	58	39	4.0	2.3		6		100	384
27	494-15		79	57	38	5.0	1.5		4			365
28	494-16		118	59	43	4.0	1.5		4			393
29	494-17		105	56	43	4.5	1.8					443
30	502-2		78	60	54	4.5	1.5		4		95	405
31	502-3		76	61	46	4.0	1.5		4		100	389
32	502-5		90	60	51	5.0	1.3		3		100	413
33	502-6		86	60	54	4.0	1.3		3		100	379
34	502-7		70	58	45	5.0	1.8		3		100	353
35	502-9		80	60	53	4.0	1.5		4		100	375
36	502-10		104	56	45	4.5	1.3		4			307

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Frontier

FI=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 5. Performance of kabuli chickpea lines in the 2005 chickpea advanced yield trial-3

							Asco-ICARDA		FW-ICARDA		
	stnyrs	3	2	1	1	2					2
Entry	Variety	Yield	Fl	Ht	Asco	Mat	2005	2004	2005	2004	Sdwt
1	CDC Xena	58	59	41	8.0	1.8	7.4		69		514
2	CDC Frontier	100	60	44	5.0	2.3	6		78		381
3	Amit	81	62	46	4.5	1.3	5.1		100		270
4	502-12	64	60	52	4.0	1.3		3		100	413
5	502-13	68	57	48	4.5	1.3		3		100	410
6	502-14	76	57	46	4.0	1.5		3		90	395
7	502-15	70	58	52	4.0	1.3		3		95	378
8	502-16	71	60	53	4.0	1.0		4		100	383
9	502-18	77	59	49	4.5	1.0		4		95	384
10	507-1	67	57	43	5.0	2.0		4			399
11	507-4	67	57	43	5.5	1.3		3			417
12	507-11	68	55	44	4.5	1.5		3			389
13	495-1	60	57	47	5.0	2.0		6			332
14	495-2	61	58	41	6.0	1.5		4			371
15	495-3	82	55	39	5.0	1.3		4			344
16	495-4	64	54	43	4.5	1.3		6			329
17	495-5	62	56	47	5.5	1.3		6			288
18	495-6	55	57	39	5.0	1.5		7			283
19	495-7	64	56	41	5.5	1.8		5			346
20	495-8	71	56	41	4.5	1.5		5			295
21	495-9	71	58	46	4.0	1.5		7			372
22	495-10	69	58	44	5.5	1.5		6			360
23	503-1	66	56	48	4.0	1.3		5			448
24	503-2	76	60	49	4.0	1.5		5			406
25	503-5	69	59	41	4.0	2.0					361
26	503-7	88	58	47	5.0	2.0					418
27	503-8	76	58	46	4.5	1.5					408
28	503-12	68	63	47	5.5	2.0					403
29	503-13	71	61	52	4.0	1.8					344
30	503-14	72	59	46	4.0	1.8					380
31	503-15	76	59	48	4.0	1.8					429
32	503-16	75	60	49	5.0	1.8					407
33	503-17	63	59	49	4.0	1.8					404
34	503-19	63	62	45	5.0	2.3					363
35	494-20	80	56	41	4.0	1.3		4			432
36	494-21	91	58	40	4.0	2.0		4			387

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Frontier

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 6. Performance of kabuli chickpea lines in the 2005 chickpea advanced yield trial-4

							Asco-ICARDA		FW-ICARDA		
	stnyrs	3	2	1	1	2					2
Entry	Variety	Yield	Fl	Ht	Asco	Mat	2005	2004	2005	2004	Sdwt
1	CDC Xena	75	59	47	8.0	1.5	7.4		69		478
2	CDC Frontier	100	61	42	5.0	2.3	6		78		336
3	Amit	93	62	46	5.0	1.5	5.1		100		267
4	494-22	109	59	44	5.0	2.0		5			405
5	494-23	117	55	38	4.0	1.5		4			421
6	494-25	79	55	35	4.5	1.0		5			318
7	494-30	109	60	38	5.0	2.5		5			362
8	494-32	99	56	39	4.5	1.5		6			464
9	494-33	101	59	42	4.5	2.3		6			411
10	498-1	92	58	44	6.0	1.3		6			373
11	501-1	94	57	41	5.5	1.3		4			425
12	501-2	91	59	42	5.0	1.8		4			359
13	501-4	97	57	41	6.0	2.0		4			360
14	501-5	112	61	41	5.5	2.0		5			358
15	506-11	93	61	43	5.0	1.8		4			338
16	506-14	52	62	40	5.0	2.3		5			345
17	506-19	76	58	39	5.0	1.3		4			396
18	506-21	72	56	39	5.0	1.5		4			351
19	506-22	96	56	44	5.0	1.5		4			402
20	506-24	81	59	41	6.0	1.0		4			375
21	489-18	76	56	37	5.5	1.3		5		35	259
22	489-31	86	59	43	5.5	1.5					271
23	489-32	74	57	37	5.5	2.0					275
24	504-5	56	61	36	5.5	1.5				35	312
25	504-6	75	57	45	6.0	1.5				70	368
26	504-7	90	60	47	5.5	2.0				40	324
27	504-11	72	61	41	5.5	2.0				40	309
28	505-12	73	61	41	5.0	1.5					306
29	505-14	62	58	44	6.5	1.3					316
30	505-18	70	62	40	6.0	1.8					324
31	493-2	95	57	41	4.0	1.3					407
32	493-3	112	56	44	5.0	1.0					403
33	493-5	79	57	38	5.5	1.8					386
34	493-6	120	56	40	4.5	1.3					385
35	493-9	110	56	42	5.0	1.5					470
36	493-10	87	57	40	5.0	1.5					420

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Frontier

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 7. Performance of kabuli chickpea lines in the 2005 chickpea advanced yield trial-5

		stnyrs	3	2	1	1	2	Asco-ICARDA		FW-ICARDA		2
Entry	Variety		Yield	Fl	Ht	Asco	Mat	2005	2004	2005	2004	Sdwt
1	CDC Xena		87	59	44	8.0	1.5	7.4		69		508
2	CDC Frontie		100	61	45	4.0	2.0	6		78		396
3	Amit		85	61	42	4.5	1.0	5.1		100		278
4	493-11		81	56	34	5.0	1.0		4			387
5	493-12		93	56	40	5.0	1.0		4			417
6	493-14		95	56	40	4.5	1.5					427
7	493-17		89	58	44	4.0	1.3		4			423
8	493-19		87	56	43	4.0	1.3		4			428
9	493-20		81	56	39	4.0	1.3		5			455
10	493-21		85	56	39	4.5	1.0		4			403
11	493-23		81	56	41	5.0	1.8		4			404
12	507-14		65	57	43	5.0	1.0		3			395
13	507-26		65	59	39	4.5	1.0					426
14	511-41		68	61	39	4.5	1.3		4			309
15	511-47		63	60	40	4.5	1.3		3			298
16	511-52		62	61	41	5.0	1.8		3			317
17	511-58		65	61	36	4.5	1.8		3			302
18	490-20		78	58	44	5.0	1.5		6			372
19	490-25		73	57	46	4.5	2.0		4			382
20	490-40		68	58	38	5.0	1.5		6			282
21	502-19		69	58	49	4.5	1.5		4			344
22	502-23		63	58	42	4.5	1.3					336
23	502-24		64	58	42	5.0	1.5		6			365
24	502-26		70	57	43	4.5	1.0		4			292
25	502-27		76	58	43	4.0	1.3		5			352
26	502-28		65	57	43	5.5	1.3		4			399
27	502-38		70	58	38	5.0	1.0		4			345
28	502-42		80	58	48	4.5	1.5					398
29	495-20		81	59	40	5.0	1.3					389
30	495-21		78	58	42	5.5	2.0					300
31	495-31		66	57	38	5.0	1.8					352
32	495-33		56	59	40	6.0	1.8					348
33	504-21		6	61	35	5.5	1.5		6			324
34	504-28		74	62	47	4.5	1.5		6			390
35	504-29		78	63	48	4.5	1.8		5		0	380
36	504-42		77	61	39	5.5	1.3		6		50	316

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Frontier

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 8. Performance of kabuli chickpea lines in the 2005 chickpea advanced yield trial-6

		stnyrs	3	2	1	1	2	Asco-ICARDA		FW-ICARDA		1
Entry	Variety		Yield	FI	Ht	Asco	Mat	2005	2004	2005	2004	Sdwt
1	CDC Xena		63	59	43	8.0	1.7	7.4		69		500
2	CDC Frontier		100	62	44	5.0	2.3	6		78		371
3	Amit		95	62	48	5.0	1.7	5.1		100		267
4	504-43		89	61	46	4.0	1.7		6		0	301
5	490-108		77	65	48	6.5	2.0					311
6	490-111		78	57	47	6.0	1.5					320
7	493-24		92	57	46	4.5	1.3		4			415
8	493-25		84	56	46	4.5	1.8		4			428
9	493-27		90	55	48	5.0	1.5		4			458
10	493-28		82	57	45	4.0	1.7		4			377
11	493-29		92	58	44	4.0	1.2		4			446
12	506-28		73	64	41	5.0	2.7		4			326
13	506-29		90	61	46	5.0	2.0		4			323
14	506-40		73	61	46	5.0	2.2		5			355
15	506-44		91	55	42	5.0	1.7		4			380
16	506-45		74	62	45	5.0	2.3		3			336
17	501-10		103	55	43	4.5	1.3		4			376
18	501-13		98	58	42	5.0	1.7		4			416
19	501-15		95	57	49	4.0	1.5		4			357
20	501-16		81	56	46	5.0	1.2		4			392
21	501-17		93	56	41	4.0	1.5		4			418
22	492-8		78	55	47	5.0	1.0					374
23	499-31		91	57	45	4.5	1.2		3			281
24	499-33		92	55	47	4.0	1.2		3			302
25	499-34		62	57	48	5.5	1.7		3			411
26	499-35		84	58	51	5.0	1.5		3		40	437
27	499-37		83	57	50	5.0	1.2		3			363
28	499-38		90	58	46	5.0	1.3		3			363
29	499-41		96	56	44	4.0	1.5		3			376
30	499-43		91	56	44	5.0	1.2		3			286
31	499-46		96	57	50	4.5	1.2		3			384
32	499-48		93	57	45	4.5	1.2		3			354
33	499-51		80	58	45	5.0	1.7		3			405
34	499-52		80	57	46	5.0	1.5		3			339
35	497-3		85	55	43	4.5	1.3		4			319
36	497-4		78	56	44	5.0	1.2					316

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Frontier

FI=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 9. Performance of kabuli chickpea lines in the 2005 chickpea advanced yield trial-7

							Asco-ICARDA		FW-ICARDA		
	stnyrs	3	2	1	1	2					1
Entry	Variety	Yield	Fl	Ht	Asco	Mat	2005	2004	2005	2004	Sdwt
1	CDC Xena	58	61	39.0	8.0	1.7	7.4		69		501
2	CDC Frontier	100	63	41.5	5.0	2.3	6		78		401
3	Amit	84	64	44.0	5.5	1.7	5.1		100		280
4	497-5	67	56	39.5	6.0	1.7		4			314
5	492-10	78	56	45.5	6.0	1.3		4			376
6	492-11	84	57	45.0	5.5	2.2					362
7	510-2	64	60	44.0	7.0	1.5		4		35	373
8	486-4	59	58	31.5	8.0	1.7		8			278
9	486-5	53	59	34.5	7.0	2.0					278
10	486-7	63	56	34.0	7.0	1.7					377
11	561-45	64	59	41.0	7.5	1.7	6		100		314
12	561-49	76	62	44.0	6.0	1.7	6		100		259
13	561-51	89	60	44.5	6.0	2.2	4		100		376
14	561-53	84	60	38.0	5.5	1.3	7		100		297
15	582-2	80	61	39.5	5.5	2.2	4		95		326
16	582-3	69	61	40.0	6.5	1.8	6		100		365
17	582-5	78	60	41.5	6.5	1.8	7		100		335
18	582-7	82	59	36.5	6.0	2.2	7		100		332
19	582-10	75	58	40.5	6.0	2.3	4		85		410
20	582-11	79	60	42.0	5.5	2.5	5		90		344
21	582-13	77	61	41.5	6.0	2.2	5		80		275
22	582-16	77	59	43.5	6.0	1.8	7		90		364
23	576-1	94	58	38.5	5.5	2.2	4		90		361
24	576-2	104	55	45.0	4.5	1.2	4		100		312
25	576-3	89	54	43.0	5.0	1.5	4		100		311
26	576-7	68	64	41.5	5.5	2.3	5		80		311
27	576-8	80	56	41.0	6.0	1.8	4		90		303
28	576-10	89	55	37.0	5.5	1.8	4		100		319
29	589-6	83	55	37.0	6.0	1.3	6		95		310
30	589-7	80	55	34.5	5.5	1.3	6		70		310
31	589-18	70	55	39.5	5.5	1.3	6		85		284
32	589-27	71	55	34.0	5.5	1.5	6		50		279
33	589-32	76	54	34.0	6.0	1.2	7		100		297
34	589-40	86	55	36.5	5.5	1.2	6		100		293
35	589-48	84	55	43.0	5.0	1.5	4		100		278
36	560-29	85	60	42.0	5.5	1.2	6		95		282

Notes

stnyrs=station years contributing to the mean
Yield=grain yield relative to CDC Frontier
Fl=Days to flower
Ht=Height (cm)
Asco=Ascochyta blight score where 1=no disease, 9=completely blighted
Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery
FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery
Sdwt=seed weight (g/1000 seeds)

Table 10. Performance of kabuli chickpea lines in the 2005 chickpea advanced yield trial-8

		stnyrs	3	2	1	1	2	Asco-ICARDA		FW-ICARDA		1
Entry	Variety		Yield	Fl	Ht	Asco	Mat	2005	2004	2005	2004	Sdwt
1	CDC Xena		63	61	45	8.0	1.8	7.4		69		497
2	CDC Frontier		100	62	45	4.5	2.5	6		78		396
3	Amit		97	64	44	5.0	2.3	5.1		100		267
4	560-48		98	57	46	4.0	1.3	6		100		235
5	560-49		91	56	45	4.5	1.0	6		100		235
6	560-60		92	55	45	4.5	1.2	7		95		231
7	560-61		96	56	43	4.5	1.2	5		100		254
8	560-69		92	56	40	4.5	1.3	5		100		245
9	560-85		103	57	44	5.0	1.3	6		95		261
10	560-102		92	57	45	5.0	1.2	5		100		257
11	560-103		101	57	44	4.0	1.7	5		100		267
12	560-108		68	59	42	5.5	1.0	5		95		232
13	560-109		83	59	43	4.5	1.0	6		75		281
14	560-110		90	55	48	5.0	1.0	7		100		257
15	560-112		94	62	44	5.0	1.5	6		100		262
16	560-134		87	58	44	4.0	1.3	6		100		279
17	535-1		94	56	41	4.5	2.0	6		95		340
18	535-2		99	56	42	4.5	1.3	6		95		303
19	535-3		89	56	45	5.0	1.5	7		85		264
20	535-5		92	56	44	5.5	1.3	7		85		247
21	500-32		92	56	44	4.5	1.2					422
22	534-4		73	57	47	5.5	1.7	5		60		311
23	534-5		91	56	48	4.5	1.2	5		0		262
24	576-11		85	56	42	4.5	2.2	4		95		282
25	598-27		85	56	41	4.5	2.0	4		100		290
26	598-32		86	55	39	5.0	1.5	4		85		265
27	598-38		90	56	47	4.5	1.8	4		80		284
28	598-47		81	56	44	5.0	1.8	3		25		214
29	596-73		65	57	40	5.0	2.0	6		30		261
30	596-74		80	55	41	4.5	1.2	5		40		254
31	FLIP 97-149C		79	60	43	5.5	2.0					377
32	FLIP 97-168C		85	59	36	5.0	1.7					386
33	FLIP 00-79C		86	58	42	5.0	1.3					287
34	FLIP 98-24C		99	55	41	5.0	1.8					372
35	FLIP 98-121C		82	54	39	4.5	2.0					396
36	FLIP 99-48C		96	59	41	4.0	2.0					345

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Frontier

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 11. Performance of desi chickpea lines in the 2005 chickpea advanced yield trial-9

		stnyrs	3	2	1	1	3	Asco-ICARDA		FW-ICARDA		1
Entry	Variety		Yield	Fl	Ht	Asco	Mat	2005	2004	2005	2004	Sdwt
1	Myles		85	56	42	5.0	1.7	5.9		12.5		196
2	CDC Anna		98	59	44	4.5	2.3	5.9		16.3		206
3	CDC Cabri		100	55	50	4.5	1.8	5.3		17.1		300
4	522-3		92	56	43	4.0	2.0					324
5	522-4		106	54	47	4.5	1.5					320
6	522-6		93	56	46	4.0	1.7		4		0	312
7	522-12		94	59	43	4.0	2.3		6		35	342
8	522-14		105	59	45	5.0	2.2		4		0	290
9	522-15		98	64	46	4.0	1.8					321
10	522-16		95	60	46	4.5	2.0		5		0	344
11	522-17		112	57	47	4.5	1.8		6			350
12	522-18		91	61	42	5.0	1.8		4		5	283
13	522-19		89	57	42	5.0	1.8		4		0	319
14	522-21		96	56	45	5.0	2.0		4		25	349
15	522-22		103	56	43	4.0	1.7					292
16	522-24		94	60	46	5.0	2.3		3		0	314
17	522-26		99	57	44	4.5	2.3		3		40	352
18	522-27		95	56	44	4.5	1.7		3		90	321
19	522-30		87	56	41	4.5	2.0		3		0	329
20	522-32		92	56	46	5.0	1.5		4		25	344
21	522-33		86	65	47	4.0	2.2					340
22	522-34		102	55	48	4.5	2.0		5		0	331
23	522-35		91	56	42	5.0	1.8		4		0	352
24	522-36		88	57	47	4.0	1.7		4			311
25	522-37		104	57	43	4.0	1.7		4		0	295
26	522-40		87	58	47	4.0	2.5		4		0	342
27	522-41		97	62	47	5.0	2.2		4		0	327
28	522-42		95	63	41	4.5	2.0					321
29	522-43		96	61	47	4.5	2.0		4		0	367
30	522-44		104	60	47	4.5	1.8		5		25	322
31	522-45		90	58	48	4.5	2.2		3		0	302
32	522-46		87	62	42	4.5	2.5		3			299
33	522-48		96	58	43	4.5	1.8					289
34	522-51		92	58	43	5.0	2.2		6			302
35	522-52		106	56	48	4.5	1.7		5		30	368
36	553-1		109	58	41	4.5	1.7	5		10		229

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Cabri

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease. 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt

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Sdwt=seed weight (g/1000 seeds)

Table 12. Performance of desi chickpea lines in the 2005 chickpea advanced yield trial-10

Entry	Variety	stnyrs	3 Yield	2 Fl	1 Ht	1 Asco	3 Mat	Asco-ICARDA 2005	FW-ICARDA 2005	S
1	Myles		87	57	39	4.5	2.0	5.9	12.5	
2	CDC Anna		93	58	43	5.0	2.3	5.9	16.3	
3	CDC Cabri		100	56	42	5.0	2.2	5.3	17.1	
4	553-2		103	56	37	5.0	1.5	6	0	
5	553-3		100	56	39	5.0	1.3	6	60	
6	553-6		99	59	40	6.0	1.5	4	90	
7	553-7		104	58	38	5.0	1.5	5	90	
8	553-8		113	60	33	5.0	1.2	5	100	
9	553-9		117	58	36	4.5	1.5	5	90	
10	553-10		126	56	39	4.5	1.2	4	90	
11	553-11		105	56	42	5.0	1.5	4	35	
12	553-12		117	56	37	5.0	1.2	4	95	
13	553-13		88	58	40	5.5	1.5	4	80	
14	553-14		90	56	28	5.0	1.2	4	70	
15	553-15		100	56	40	5.5	1.2	4	95	
16	553-16		91	58	44	4.5	1.3	6	100	
17	553-17		123	56	37	5.0	1.3	6	100	
18	553-18		94	57	40	4.5	1.7	4	60	
19	553-19		114	55	36	4.5	1.5	5	40	
20	553-20		90	58	40	5.5	2.0	6	40	
21	553-21		115	56	40	4.5	1.3	5	60	
22	553-22		104	56	36	4.5	1.3	4	30	
23	553-24		120	57	42	5.0	1.3	4	40	
24	553-26		104	58	41	5.0	1.3	4	50	
25	553-27		102	55	40	5.0	1.5	3	90	
26	553-28		120	56	35	5.5	1.5	3	30	
27	553-29		104	58	43	4.5	1.5	3	0	
28	553-30		104	59	42	5.0	1.7	4	70	
29	553-32		112	54	38	4.0	1.2	4	30	
30	553-33		99	55	40	4.5	1.3	M	90	
31	553-34		107	58	44	5.0	1.5	3	25	
32	553-38		88	60	40	5.0	1.8	5	25	
33	553-39		99	59	39	4.5	1.7	4	40	
34	553-41		107	56	43	5.0	1.5	3	100	
35	553-50		94	59	39	5.5	1.7	4	0	
36	553-52		99	57	39	5.0	1.7	5	0	

Notes
stnyrs=station years contributing to the mean
Yield=grain yield relative to CDC Cabri
Fl=Days to flower
Ht=Height (cm)
Asco=Ascochyta blight score where 1=no disease, 9=completely blighted
Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery
FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery
Sdwt=seed weight (g/1000 seeds)

Table 13 Performance of desi chickpea lines in the 2005 chickpea advanced yield trial-11

Entry	Variety	stnyrs	3 Yield	2 Fl	1 Ht	3 Mat	Asco-ICARDA 2005	FW-ICARDA 2005	1 Sdwt
1	Myles		91	56	45	1.8	5.9	12.5	197
2	CDC Anna		95	60	40	2.7	5.9	16.3	211
3	CDC Cabri		100	56	44	2.5	5.3	17.1	290
4	553-54		109	58	39	1.7	5	90	207
5	553-55		118	57	34	1.3	5	95	166
6	553-56		105	58	35	2.0	5	95	201
7	553-58		115	56	38	1.7	4	0	184
8	553-59		119	56	39	1.5	4	50	194
9	553-60		117	61	40	1.7	3	100	258
10	553-61		108	57	39	1.8	3	0	189
11	553-66		103	57	37	2.0	3	80	248
12	553-67		101	56	37	1.8	4	100	249
13	553-68		100	57	41	1.7	4	100	188
14	553-70		104	57	39	1.7	3	25	223
15	553-71		109	56	40	1.7	3	100	197
16	553-72		103	56	39	2.0	4	0	224
17	553-73		109	59	36	1.7	4	50	188
18	553-74		108	60	34	1.5	5	95	185
19	553-75		98	57	35	1.7	6	35	200
20	553-77		111	56	33	1.5	5	10	160
21	553-79		100	60	40	2.0	4	10	246
22	553-81		107	58	41	2.0	4	50	229
23	553-82		116	56	33	1.7	5	25	180
24	553-83		115	58	38	1.5	6	5	199
25	553-84		95	59	38	2.0	6	0	158
26	553-86		113	58	37	1.7	6	15	218
27	553-87		113	56	30	1.5	3	90	176
28	553-90		113	56	37	1.5	4	40	186
29	553-91		107	57	36	1.7	4	40	183
30	553-92		113	56	38	1.5	4	0	184
31	553-95		97	57	36	1.5	6	100	187
32	553-102		110	57	33	1.3	4	40	208
33	553-104		97	58	39	1.7	4	85	183
34	553-107		100	57	34	1.7	5	5	204
35	553-108		99	56	38	1.5	5	0	182
36	553-109		110	57	37	1.7	4	85	205

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Cabri

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 14 Performance of desi chickpea lines in the 2005 chickpea advanced yield trial-12

	stnyrs	3	2	1	3	Asco-ICARDA		FW-ICARDA		1
Entry	Variety	Yield	FI	Ht	Mat	2005	2004	2005	2004	Sdwt
1	Myles	91	55	42	2.2	5.9		12.5		196
2	CDC Anna	100	61	41	2.7	5.9		16.3		196
3	CDC Cabri	100	55	43	2.5	5.3		17.1		299
4	553-110	107	57	38	1.5	5		90		220
5	553-113	116	55	36	1.3	5		80		189
6	553-114	104	56	41	1.2	4		40		207
7	553-115	109	60	34	1.7	5		35		202
8	553-116	105	56	38	2.0	4		100		232
9	553-118	112	58	40	1.7	4		80		302
10	553-120	102	55	35	1.3	5		80		169
11	553-121	95	56	44	2.0	4		20		238
12	553-122	111	55	41	1.5	4		100		203
13	553-130	115	57	41	1.5	6		40		195
14	553-131	100	56	43	1.7	6		60		230
15	553-132	116	57	39	1.5	5		40		244
16	517-7	85	56	41	2.0		4			306
17	517-9	89	57	39	2.2		4			350
18	517-11	99	55	41	2.3		6			360
19	517-15	82	56	44	2.3		4			347
20	517-16	77	56	43	2.0		4			326
21	517-17	88	56	34	2.3		4			338
22	517-20	77	55	40	2.2		4			344
23	525-1	103	64	41	2.0					267
24	525-2	91	57	43	1.5					274
25	525-5	97	65	41	2.5		3		0	284
26	525-6	114	62	38	1.7		4			280
27	525-8	110	59	38	1.7		4			282
28	525-9	104	64	41	2.2		4			261
29	525-11	100	60	40	2.2					269
30	525-12	90	63	42	1.8		3			262
31	525-13	105	57	39	1.7		4			287
32	525-17	115	59	38	1.8		4			287
33	525-18	106	58	41	1.5		3		0	272
34	525-19	102	63	41	2.3		5			274
35	525-21	92	58	41	1.7		3			253
36	525-22	104	60	44	1.8		3			240

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Cabri

FI=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 15. Performance of desi chickpea lines in the 2005 chickpea advanced yield trial-13

		stnyrs	3	2	1	3	Asco-ICARDA		FW-ICARDA		1
Entry	Variety		Yield	Fl	Ht	Mat	2005	2004	2005	2004	Sdwt
1	Myles		74	58	41	1.7	5.9		12.5		199
2	CDC Anna		101	59	40	2.5	5.9		16.3		211
3	CDC Cabri		100	56	43	2.5	5.3		17.1		307
4	551-1		115	57	39	2.0	6		100		347
5	551-2		118	55	42	2.0	9		35		259
6	551-4		109	55	39	1.8	4		20		307
7	551-5		106	56	42	2.0	5		10		278
8	551-6		109	54	39	1.8	4		60		216
9	551-7		103	55	36	1.8	6		40		251
10	551-8		112	55	39	1.7	4		35		227
11	551-9		121	56	41	2.0	7		15		260
12	551-10		124	55	38	1.5	9		80		206
13	551-11		114	55	38	1.7	6		40		239
14	551-12		115	55	38	1.3	5		0		355
15	551-17		123	55	43	1.5	4		50		290
16	551-19		124	56	36	2.0	6		40		214
17	551-20		108	55	42	1.8	8		0		272
18	551-21		116	55	36	1.8	8		25		201
19	551-22		110	55	34	2.2	9		85		271
20	551-23		121	56	38	2.0	5		0		255
21	551-24		117	55	38	1.5	5		0		342
22	551-26		106	56	34	1.3	5		95		221
23	551-27		117	57	43	1.8	4		0		283
24	551-28		112	55	41	1.7	5		0		251
25	551-30		104	55	40	1.8	5		85		299
26	551-33		112	57	38	2.2	4		0		252
27	551-37		110	57	39	2.0	4		25		230
28	551-42		103	56	33	2.2	6		25		253
29	551-44		118	56	43	1.8	5		0		263
30	551-45		125	55	45	1.7	4		0		284
31	551-46		114	56	38	2.0	4		80		254
32	551-49		125	55	36	1.3	3		0		233
33	551-50		120	54	36	1.8	4		0		222
34	551-51		122	56	40	1.8					250
35	518-2		94	57	37	1.7		4		0	271
36	518-7		90	57	36	1.8		5		0	260

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Cabri

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 16. Performance of desi chickpea lines in the 2005 chickpea advanced yield trial-14

						Asco-ICARDA		FW-ICARDA		
	stnyrs	3	2	1	3					1
Entry	Variety	Yield	Fl	Ht	Mat	2005	2004	2005	2004	Sdwt
1	Myles	85	56	43	1.8	5.9		12.5		197
2	CDC Anna	96	60	43	2.5	5.9		16.3		213
3	CDC Cabri	100	56	41	2.3	5.3		17.1		321
4	518-11	101	60	41	2.0		5		10	304
5	516-5	79	56	38	1.7		5			263
6	516-6	93	57	37	2.2		5			258
7	ICCX-920396-2	95	58	36	1.8					242
8	ICCX-920396-3	88	59	36	1.8					225
9	ICCX-920396-5	87	56	40	1.3					237
10	ICCX-920396-7	96	64	41	2.5					255
11	ICCX-920396-8	89	57	37	1.3					236
12	522-53	100	56	43	1.7					363
13	522-56	85	62	38	2.0					314
14	522-57	85	56	44	2.5		5		0	336
15	522-58	92	57	44	2.0		4		20	293
16	522-59	95	58	45	1.8					302
17	522-60	89	62	42	1.7		4		0	277
18	522-61	97	56	45	2.0					350
19	603-23	96	55	44	2.0			0		251
20	517-23	83	56	43	2.2		4		0	338
21	517-24	81	56	42	2.2					369
22	517-29	69	57	41	2.5		4		0	341
23	517-51	88	56	44	1.8		4		0	357
24	548-4	110	57	40	2.0	6				325
25	548-6	94	57	42	2.5	4				292
26	548-12	101	57	39	2.0	4				262
27	548-13	98	56	45	1.8	5				283
28	548-17	103	57	41	2.2	4				282
29	548-25	80	59	37	2.2	4				184
30	525-24	99	61	44	1.7		3			289
31	525-25	90	63	44	1.8					274
32	525-29	97	65	46	2.2		3		0	263
33	525-33	105	59	43	1.7					307
34	525-41	93	63	47	2.3		2			258
35	525-49	75	60	43	1.5		4			277
36	525-52	101	58	47	1.3					243

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Cabri

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 17. Performance of desi chickpea lines in the 2005 chickpea advanced yield trial-15

						Asco-ICARDA		FW-ICARDA		
	stnyrs	3	2	1	3					1
Entry	Variety	Yield	FI	Ht	Mat	2005	2004	2005	2004	Sdwt
1	Myles	92	56	42	2.0	5.9		12.5		194
2	CDC Anna	102	62	43	2.3	5.9		16.3		224
3	CDC Cabri	100	57	42	2.2	5.3		17.1		307
4	525-54	107	65	42	2.2		4		0	251
5	525-57	103	63	48	2.0		5			269
6	525-75	104	65	47	2.2					275
7	525-92	102	57	41	1.7					314
8	525-114	116	60	45	1.5					276
9	525-137	110	59	35	1.3					279
10	525-149	74	65	39	2.3					256
11	525-177	87	56	42	1.8					290
12	554-1	107	56	38	1.3	3		95		159
13	554-4	97	55	36	1.2	5		100		168
14	554-9	99	55	34	1.3	5		95		164
15	554-13	99	55	35	1.3	4		90		166
16	554-14	97	55	37	1.3	4		95		170
17	554-15	100	55	36	1.7	4		90		166
18	554-17	89	55	34	1.5	4		85		165
19	554-18	101	56	35	1.3	4		95		164
20	554-20	96	55	35	1.2	3		30		166
21	554-23	100	56	36	1.2	5		100		168
22	554-25	98	55	35	1.2	3		100		162
23	554-26	93	56	34	1.2	3		90		168
24	554-27	101	55	34	1.2	3		80		163
25	554-28	103	56	35	1.5	4		30		165
26	554-30	96	56	37	1.5	4		40		176
27	554-32	98	56	36	1.5	4		5		163
28	554-34	98	55	34	1.7	4		100		166
29	554-35	99	56	33	1.3	4		100		164
30	554-36	95	55	33	1.8	5		50		169
31	554-37	95	56	36	1.5	4		25		166
32	554-38	96	55	35	1.5	5		25		162
33	554-39	97	56	35	1.5	5		60		173
34	554-42	103	55	38	1.3	6		60		171
35	554-43	100	56	36	1.7	4		100		174
36	554-44	98	56	35	1.3	4		90		158

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Cabri

FI=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)

Table 18. Performance of desi chickpea lines in the 2005 chickpea advanced yield trial-16

						Asco-ICARDA		FW-ICARDA		
	stnyrs	3	2	1	2					1
Entry	Variety	Yield	Fl	Ht	Mat	2005	2004	2005	2004	Sdwt
1	Myles	95	56	41	2.0	5.9		12.5		191
2	CDC Anna	101	59	42	2.5	5.9		16.3		213
3	CDC Cabri	100	55	43	2.0	5.3		17.1		302
4	554-48	97	55	35	1.3	6		90		169
5	550-12	100	58	38	2.3	5		25		195
6	526-5	75	55	37	1.0		4		10	212
7	526-31	63	56	42	1.3		4		0	217
8	526-33	49	56	37	1.8		4		0	204
9	531-25	105	55	37	1.0					195
10	527-1	90	58	39	2.0		6		40	225
11	527-4	51	62	42	1.8		5		80	236
12	527-6	73	56	43	1.3					199
13	527-14	89	56	35	1.0					265
14	527-20	74	56	40	2.0		7		0	156
15	596-40	94	55	39	1.5	5		80		323
16	596-71	104	56	42	1.8	5		50		275
17	ICCX 920391-3	81	59	37	1.8					214
18	CDC Nika	92	55	41	2.0	5.6		16.3		341

Notes

stnyrs=station years contributing to the mean

Yield=grain yield relative to CDC Cabri

Fl=Days to flower

Ht=Height (cm)

Asco=Ascochyta blight score where 1=no disease, 9=completely blighted

Asco-ICARDA=Ascochyta score measured in the ICARDA ascochyta nursery

FW-ICARDA=Fusarium wilt (% plants affected) measured in the ICARDA Fusarium wilt nursery

Sdwt=seed weight (g/1000 seeds)